

GAZI UNIVERSITY FACULTY OF MEDICINE

IIIrd YEAR 2025-2026

PUBLIC HEALTH/ SYSTEMIC INFECTION AGENTS AND MECHANISMS

COURSE COMMITTEE

September 1 -October 7, 2025

Examination: October 8, 2025; 9.30 am

Courses	Theoretical	Laboratory	Practice	Courses
PUBLIC HEALTH	31			31
MEDICAL MICROBIOLOGY	33	5x8		43
IMMUNOLOGY	10			10
MEDICAL PHARMACOLOGY	13			13
MEDICAL PATHOLOGY	3			3
NUCLEAR MEDICINE	1			1
MEDICAL ETHICS AND DEONTOLOGY	10			10
MEDICAL EDUCATION AND INFORMATICS	4			4
TOTAL	102	40		114
CLINICAL SKILLS EDUCATION (CSE)			1X4	1
EVIDENCE BASED MEDICINE			1X2	2
ELECTIVE COURSE	3X2			6
MEDICAL ENGLISH	3X2			6
PROBLEM BASED LEARNING	3x2			6
ACADEMIC YEAR INFORMATION	1			1
TOPLAM	19		6	22
FREE RUN-TIME	59			

Total: 27 workday

Medical English (face-to-face): Starting from September 24, 2025. It is every Wednesday between 1.30 pm and 3.20 pm.

Elective Course: Starting from September 24, 2025. It is every Wednesday between 3.30 pm and 5.20 pm.

Free run time definition: Individual studying courses intended for learning objectives (clinical skills education, problem-based learning, etc.) in accordance with the present committee.

Dean	Prof.Dr. Alper CEYLAN
Vice Dean	Assoc.Prof.Dr. Nazmi Mutlu KARAKAŞ
Vice Dean	Assoc.Prof.Dr. Asiye UĞRAŞ DİKMEN
Head Coordinator	Prof.Dr. Çiğdem ÖZER
Assistant Head Coordinator	Prof.Dr. Akif Muhtar ÖZTÜRK
Assistant Head Coordinator (Eng)	Prof.Dr. M.Ali ERGÜN
IIIrd year Coordinator	Assoc.Prof.Dr. Hale Zeynep BATUR ÇAĞLAYAN
Assistant IIIrd year Coordinator	Assoc.Prof.Dr.Ergin DİLEKÖZ
Assistant IIIrd year Coordinator	Asist.Prof.Dr. Esra ERKOÇ ATAĞLU
Assistant IIIrd year Coordinator	Asist.Prof.Dr. Kamil İNCİ
Assistant IIIrd year Coordinator	Asist.Prof.Dr. Burak SEZENÖZ

Clinical Skills Education (CSE) Coordinator	Prof.Dr.Nurten İNAN
Problem Based Learning (PBL) Coordinator	Prof.Dr.Deniz KARÇALTINCABA
Evidence Based Medicine (EBM) Coordinator	Prof.Dr. Mehmet Ali ERGÜN
Elective Course Coordinator	Assoc.Prof.Dr.Ergin DİLEKÖZ
Medical English	Lecturer Elif KONAK BABAL

MEMBERS OF COURSE COMMITTEE

MEDICAL MICROBIOLOGY			PUBLIC HEALTH			MEDICAL PATHOLOGY
Dr.Kayhan ÇAĞLAR		Dr.Meltem YALINAY	Dr.M.Necmi İLHAN	Dr.F.Nur AKSAKAL	Dr. Asiye UĞRAŞ DİKMEN	Dr.Pınar UYAR GÖÇÜN
Dr. Ayşe KALKANCI			Dr.Hakan TÜZÜN	Dr.Cansu ÖZBAŞ	Dr.S.Pınar ÇETİNTEPE	
Dr.Sidre ERGANİŞ		Dr.E.Ayça.Şahin	IMMUNOLOGY		NUCLEAR MEDICINE	M. ETHICS AND DEONTOLOGY
MEDICAL PHARMACOL.		MEDICAL EDUCATION AND INFORMATICS	Dr.Resul KARAKUŞ		Dr.L.Özlem ATAY	Dr. Nesrin ÇOBANOĞLU
			Dr.Ayşegül ATAĞ YÜCEL			
Dr.Süreyya BARUN	Dr.Ergin DİLEKÖZ	Dr. Burcu KÜÇÜK BİÇER	Dr.E.Ümit BAĞRIAÇIK			

COURSE COMMITTEE AIM AND LEARNING OBJECTIVES

Aim:

By the conclusion of the 25-day "Public Health/Systemic Infection Factors and Mechanisms Course Board," third-year students will have acquired both knowledge and a positive attitude towards the development of a comprehensive understanding of public health, as well as the creation and critical evaluation of evidence-based information. This program aims to facilitate a deep understanding and assessment of various domains, including risk factors, preventive measures, and early diagnosis, in alignment with this overarching comprehension. Additionally, students will explore the structures underlying infectious disease causation, disease mechanisms, diagnostic techniques, clinical and microbiological strategies for addressing hospital-acquired infections, and the evaluation of microbial factors within systemic contexts.

Learning Objectives:

Knowledge:

1. To be able to explain the importance of primary healthcare institutions and understand their place in healthcare services.
2. To be able to list the services provided at the Community Health Center and explain the management functions.
3. To be able to elucidate the historical context of healthcare policies in Turkey.
4. To Understand the roles and functions of central and regional healthcare organizations.
5. To define healthcare financing sources and expound upon the dimensions of healthcare expenditures.
6. To be capable of listing epidemiological criteria, interpreting them through evaluation, and defining the fundamental strategies of epidemiology.
7. To list the fundamental characteristics of descriptive studies, explain the criteria for causality, compare analytical research based on their features, provide examples, describe the fundamental characteristics and criteria of intervention studies with examples, and elucidate the fundamental characteristics and criteria of methodological studies through examples.
8. To explain the concept of healthcare improvement and provide examples of methods that can be used in healthcare improvement.
9. To define the concept of infectious diseases, classify infectious diseases based on routes of transmission, and explain preventive methods according to the routes of transmission.

10. To state the vaccines, doses, and administration schedules included in the childhood, maternal, and adult immunization calendars in Turkey.
11. To define the cold chain and list its components.
12. To define basic concepts in the epidemiology of infectious diseases and explain the principles of infectious disease surveillance.
13. To be able to categorize notifiable infectious diseases.
14. To list the steps for investigating outbreaks, explain the principles of outbreak investigation, and elucidate outbreak control measures.
15. To explain the Vaccine Adverse Event Reporting System.
16. To define the state of Occupational Health and Safety in Turkey and globally.
17. To comprehend the epidemiological criteria for Occupational Health.
18. To define the concept of Occupational Hygiene and understand workplace environmental factors and measurement methods.
19. To define the concept of Occupational Disease and identify the risk factors associated with it.
20. To define the concept of Occupational Accidents and identify the risk factors associated with them.
21. To define the concept of Emergency Situations and identify the causal factors; understand the components of healthcare during emergencies.
22. To understand the components of Community Mental Health and recognize the risk factors.
23. To comprehend the concept of Addiction and recognize the risk factors.
24. To explain the concept of Environmental Exposure, define environmental diseases, list types of environmental exposure, and enumerate environmental factors (air pollution, water pollution, waste, etc.) that can impact health.
25. To list chronic diseases and explain preventive measures.
26. To mention the concept of Early Diagnosis and list early diagnosis methods for chronic diseases.
27. To be able to discuss the relationship between nutrition and health and provide examples of what should be done for proper and regular nutrition.
28. To be able to tell the concept of School and Adolescent Health
29. To explain a well-child examination from a child health perspective and list the steps involved.
30. To mention the concept of Reproductive He
31. To state the concept of Demographics.

32. To list the health issues brought about by an aging population.
33. To list the types of accidents and state accident prevention methods.
34. To explain the concept of the health preservation and improvement.
35. To classify the fundamental characteristics of infectious diseases.
36. To explain the pathology of infectious diseases.
37. To interpret the mechanisms through which bacteria, viruses, and parasites cause diseases.
38. To identify sites suitable for specimen collection for diagnostic purposes in infectious diseases.
39. To list microorganisms that act as infectious agents according to systems.
40. To classify diseases caused by infectious agents and explain their mechanisms.
41. To evaluate the importance of infectious diseases in public health.
42. To assess the significance and societal dimension of infectious agents

Skills:

43. To be able to collect samples from patients, perform examinations, and apply culturing and staining techniques, interpreting the results.
44. To be able to list and apply diagnostic methods used for laboratory diagnosis of infectious diseases.
45. To be proficient in clinical sample collection and culturing techniques.
46. To be able to conduct antibiotic susceptibility tests and interpret the results.

Attitudes:

47. To understand the significance of infectious diseases, contribute to protecting the community from diseases caused by microorganisms, and collaborate with relevant organizations. Should develop a preventive medicine perspective regarding public health.

	September 1, 2025 MONDAY	September 2, 2025 TUESDAY	September 3, 2025 WEDNESDAY	September 4, 2025 THURSDAY	September 5, 2025 FRIDAY
08:30-09:20	Introducing of Academic Calendar, Course Schedule and Education-Instruction Directive Year III coordinators	Free Run-Time	Child Health Dr.H.Tüzün	Free Run-Time	Free Run-Time
09:30-10:20	Free Run-Time	Free Run-Time	School Health and Adolescent Health Dr.H.Tüzün	Methodological Studies Dr.C.Özbaş	Public Nutrition Dr.H.Tüzün
10:30-11:20	Public health approaches and principles Dr. H.Tüzün	Early Diagnosis and Screening Programs Dr.C.Özbaş	Communicable Disease Dr. F.N. Aksakal	Introduction to Epidemiology and Descriptive Studies Dr.C.Özbaş	Introduction to Environmental Health Dr.H.Tüzün
11:30-12:20	Health Management and Functions of Health Management Dr. H.Tüzün	Epidemiological Indicators Dr.C.Özbaş	Epidemiology of Infectious Diseases Dr. F.N. Aksakal	Intervention Studies Dr.C.Özbaş	Healthy Water Dr.H.Tüzün
13:30-14:20	Health Politics and Organization in Turkey Dr. H.Tüzün	Occupational Health and Safety in Turkey Dr. S.P.Çetintepe	Demographics and Community Aging Dr.H.Tüzün	Occupational Accidents with cases Dr. S.P.Çetintepe	Immunization Dr. F.N. Aksakal
14:30-15:20	Health Literacy Dr. H.Tüzün	Occupational Diseases with cases Dr. S.P.Çetintepe	Health Services in Exceptional Circumstances Dr. H.Tüzün	Free Run-Time	Immunization Dr. F.N. Aksakal
15:30-16:20	Free Run-Time	Family Medicine in Turkey Dr. H.Tüzün	Investigation and Control of Epidemics of Infectious Diseases Dr. F.N. Aksakal	Free Run-Time	The agent of systemic infection 1: Staphylococcus Dr.M.Yalınay
16:30-17:20	Free Run-Time	Health Expenses in Healthcare in Turkey Dr. H.Tüzün	Epidemiology of Infectious Diseases Dr. F.N. Aksakal	Free Run-Time	The agent of systemic infection 1: Staphylococcus Dr.M.Yalınay

	September 8, 2025 MONDAY	September 9, 2025 TUESDAY	September 10, 2025 WEDNESDAY	September 11, 2025 THURSDAY	September 12, 2025 FRIDAY
08:30 - 09:20	Air Pollution and Climate Change Dr.H.Tüzün	ENGLISH EXAM	Accidents Dr.H.Tüzün	The agent of systemic infection 3: Bacillus Dr.S. Erganis	Free Run-Time
09:30 - 10:20	The agent of systemic infection 4: Haemophilus, Pasteuralla Dr.K.Çağlar		Waste Management and Other Environmental Health Problems Dr.H.Tüzün	Penicillins, Cephalosporins, and other β lactam antibiotics, macrolides Dr.E.Dileköz	Free Run-Time
10:30 - 11:20	Health Information Systems Dr. B.K.Biçer		EVIDENCE BASED MEDICINE (EBM)	Penicillins, Cephalosporins, and other β lactam antibiotics, macrolides Dr.E.Dileköz	Bacterial zoonoses 2: Brucella Dr.M.Yalınay
11:30 - 12:20	Hospital Information Systems Dr. B.K.Biçer			Penicillins, Cephalosporins, and other β lactam antibiotics, macrolides Dr.E.Dileköz	Nonfermentative bacteria Dr.M.Yalınay
13:30 - 14:20	Mechanisms of bacterial pathogenesis Dr.M.Yalınay	The agent of systemic infection 2: Streptococcus Dr.S.Erganiş	Notification of Infectious Diseases and Surveillance Dr.C.Özbaş	From philosophical ethics to applied ethics: medical ethics Dr N Çobanoğlu	Immune response against viruses and bacteria Dr.R.Karakuş
14:30 - 15:20	Pathology of infectious diseases Dr. P.Uyar Göçün	The agent of systemic infection 2: Streptococcus Dr.S.Erganiş	Notification of Infectious Diseases and Surveillance Dr.C.Özbaş	From philosophical ethics to applied ethics: medical ethics Dr N Çobanoğlu	Immune response against viruses and bacteria Dr.R.Karakuş
15:30 - 16:20	Pathology of infectious diseases Dr. P.Uyar Göçün	General considerations in antimicrobial therapy Dr.S.Barun	Anaerobic Bacteria 1 Dr.K.Çağlar	Free Run-Time	Free Run-Time
16:30 - 17:20	Pathology of infectious diseases Dr. P.Uyar Göçün	Nuclear Medicine in infectious diseases Dr. L.Ö. Atay	Anaerobic bacteria 2: Clostridia Dr.E.A.Şahin	Free Run-Time	Free Run-Time

	September 15, 2025 MONDAY	September 16, 2025 TUESDAY	September 17, 2025 WEDNESDAY	September 18, 2025 THURSDAY	September 19, 2025 FRIDAY
08:30-09:20	Viral pathogenesis Dr.A.Kalkancı	Ethics committees Dr N Çobanoğlu	The agent of systemic infection 6: Rickettsia Dr.K.Çağlar	The viral agent of systemic infection 2: Herpesviruses Dr.K.Çağlar	LABORATORY MICROBIOLOGY Colony morphology, staining techniques and microscopy of bacteria
09:30-10:20	Viral hemorrhagic fever agents Dr.A.Kalkancı	Ethics committees Dr N Çobanoğlu	The agent of systemic infection 7: Chlamydia Dr.K.Çağlar	The viral agent of systemic infection 2: Herpesviruses Dr.K.Çağlar	
10:30-11:20	Free Run-Time	Free Run-Time	Aminoglycosides, polypeptides and miscellaneous antibiotics Dr.E.Dileköz	Sulfonamides Dr. E. Dileköz	
11:30-12:20	Free Run-Time	Free Run-Time	Aminoglycosides, polypeptides and miscellaneous antibiotics Dr.E.Dileköz	Tetracyclines, amphenicols Dr.E.Dileköz	
13:30-14:20	Theories of medical ethics Dr N Çobanoğlu	Microbiota Immunology Dr.R.Karakuş	Microbial sample collection I Dr.A.Kalkancı	Infectious agents according to systems I Dr.M.Yalınay	LABORATORY MICROBIOLOGY Colony morphology, staining techniques and microscopy of bacteria Free Run-Time Free Run-Time
14:30-15:20	Principles of medical ethics Dr N Çobanoğlu	Microbiota Immunology Dr.R.Karakuş	Microbial sample collection II Dr.A.Kalkancı	Infectious agents according to systems I Dr.M.Yalınay	
15:30-16:20	Free Run-Time	Free Run-Time	Immune response against fungi and parasites Dr.R.Karakuş	Research and publication ethics in medicine Dr N Çobanoğlu	
16:30-17:20	Free Run-Time	Free Run-Time	Immune response against fungi and parasites Dr.R.Karakuş	Research and publication ethics in medicine Dr N Çobanoğlu	

	September 22, 2024 MONDAY	September 23, 2025 TUESDAY	September 24, 2025 WEDNESDAY	September 25, 2025 THURSDAY	September 26, 2025 FRIDAY
08:30 - 09:20	Medical Decision Support Systems Dr. B.K.Biçer	Free Run-Time	Free Run-Time	CLINICAL SKILLS EDUCATION (CSE) SCHEDULE SKILL TO TAKE ANAMNESIS	LABORATORY MICROBIOLOGY Clinical sampling, the culture techniques (bacterial morphology and media)
09:30 - 10:20	Data Use in Health Informatics Dr. B.K.Biçer	The agent of systemic infection 5: Spirochaetes, Leptospira Dr.A.Kalkancı	The viral agent of systemic infection 3: Picornaviruses Dr.S. Erganis		
10:30 - 11:20	Aminoglycosides, polypeptides and miscellaneous antibiotics Dr.E. Dileköz	The agent of systemic infection 5: Spirochaetes, Leptospira Dr.A.Kalkancı	The viral agent of systemic infection 3: Picornaviruses Dr.S. Erganis		
11:30 - 12:20	Aminoglycosides, polypeptides and miscellaneous antibiotics Dr.E. Dileköz	Bacterial zoonoses 1: Listeria, Yersinia Dr.A.Kalkancı	The viral agent of systemic infection 1: Adenovirus, Parvovirus Dr.E.A.Şahin		
13:30 - 14:20	PROBLEM BASED LEARNING (PBL) SCHEDULE 1ST SECTION	Limited resources in Medicine; organ and tissue transplantation, informed consent and respect for autonomy Dr.N.Çobanoğlu	MEDICAL ENGLISH	Clinical and microbiological approach to hospital infections Dr.M.Yalınay	LABORATORY MICROBIOLOGY Clinical sampling, the culture techniques (bacterial morphology and media)
14:30 - 15:20		Infectious Diseases and AIDS within the context of social responsibility of the physician Dr.N.Çobanoğlu	MEDICAL ENGLISH	Microbiota in Health and Disease Dr.M.Yalınay	
15:30 - 16:20		Vaccination and immunization Dr.A. Atak Yücel	ELECTIVE COURSE	Antifungal agents Dr.E.Dileköz	
16:30 - 17:20		Vaccination and immunization Dr.A. Atak Yücel	ELECTIVE COURSE	Antiseptics and disinfectants Dr.E.Dileköz	

	September 29, 2025 MONDAY	September 30, 2025 TUESDAY	October 1, 2025 WEDNESDAY	October 2, 2025 THURSDAY	October 3, 2025 FRIDAY
08:30-09:20	Antimicrobial drug interactions Dr.E.Dileköz	LABORATORY MICROBIOLOGY Blood And Tissue Protozoa and Serology	Antiviral drugs Dr.E.Dileköz	LABORATORY MICROBIOLOGY Staphylococcus and Streptococcus, extracellular secretion	LABORATORY MICROBIOLOGY Laboratory diagnosis of viral infections
09:30-10:20	Arthropode-borne parasitic infections 1: Plasmodium, Babesia Dr. A. Şahin		New Pathogens Dr.A.Kalkancı		
10:30-11:20	Arthropode-borne parasitic infections 1: Plasmodium, Babesia Dr.A. Şahin		Mucosal immunology Dr. E.Ü. Bağrıaçık		
11:30-12:20	Arthropode-borne parasitic infections 2: Leishmania, trypanosoma Dr S.Erganis		Mucosal immunology Dr. E. Ü. Bağrıaçık		
13:30-14:20	PROBLEM BASED LEARNING (PBL) SCHEDULE 2ND SECTION	LABORATORY MICROBIOLOGY Blood And Tissue Protozoa and Serology	MEDICAL ENGLISH	LABORATORY MICROBIOLOGY Staphylococcus and Streptococcus, extracellular secretion	LABORATORY MICROBIOLOGY Laboratory diagnosis of viral infections
14:30-15:20			MEDICAL ENGLISH		
15:30-16:20			ELECTIVE COURSE		
16:30-17:20			ELECTIVE COURSE		

	October 6, 2025 MONDAY	October 7, 2025 TUESDAY	October 8, 2025 WEDNESDAY	October 9, 2025 THURSDAY	October 10, 2025 FRIDAY
08:30-09:20	Free Run-Time	Free Run-Time	YEAR III COURSE I EXAM + EBM EXAM 09:30		
09:30-10:20	Free Run-Time	Free Run-Time			
10:30-11:20	Free Run-Time	Free Run-Time			
11:30-12:20	Free Run-Time	Free Run-Time			
13:30-14:20	PROBLEM BASED LEARNING (PBL) SCHEDULE 3RD SECTION	Free Run-Time	MEDICAL ENGLISH		
14:30-15:20		Free Run-Time	MEDICAL ENGLISH		
15:30-16:20		Free Run-Time	ELECTIVE COURSE		
16:30-17:20		Free Run-Time	ELECTIVE COURSE		

EXAM

October 8, 2025

09:30 am