

GAZI UNIVERSITY FACULTY OF MEDICINE**IIIrd YEAR 2023-2024****PUBLIC HEALTH/ SYSTEMIC INFECTION AGENTS AND MECHANISMS****COURSE COMMITTEE****September 11 -October 13, 2023****Examination: October 13, 2023; 9.30am**

| 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 | | | 2 |
| TOTAL | 102 | 40 | | 111 |
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| CLINICAL SKILLS EDUCATION (CSE) | | | 1X4 | 1 |
| EVIDENCE BASED MEDICINE | | | 1X2 | 2 |
| ELECTIVE COURSE | 3X2 | | | 6 |
| MEDICAL ENGLISH | 3X2 | | | 6 |
| ACADEMIC YEAR INFORMATION | 1 | | | 1 |
| TOPLAM | 9 | | 6 | 16 |
| FREE RUN-TIME | 22 | | | |

Total: 25work day

Medical English (face-to-face): Starting from October 04, 2023. It is every Wednesday between 1.30 pm and 3.20 pm.

Elective Course: Starting from October 04, 2023. 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.

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|---|---|
| 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. Burak SEZENÖZ |
| Assistant IIIrd year Coordinator | Asist.Prof.Dr. Mehmet Arda İNAN |
| Assistant IIIrd year Coordinator | Asist.Prof.Dr. Esra ERKOÇ ATAÖĞLU |
| Assistant IIIrd year Coordinator | Asist.Prof.Dr. Kamil İNCİ |

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|--|-----------------------------|
| 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. Funda DOĞRUMAN | Dr.Hakan TÜZÜN | Dr.Cansu ÖZBAŞ | Dr.S.Pınar ÇETİNTEPE | |
| Dr.Sidre ERGANİŞ | AL | | | | |
| MEDICAL PHARMACOL. | | IMMUNOLOGY | | NUCLEAR MEDICINE | M. ETHICS AND DEONTOLOGY |
| Dr.Süreyya BARUN | Dr.Ergin DİLEKÖZ | Dr.E.Ümit BAĞRIAÇIK | Dr.Resul KARAKUŞ | Dr.L.Özlem ATAY | Dr. Nesrin ÇOBANOĞLU |
| | | | Dr.Ayşegül ATAK YÜCEL | | |

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 11 , 2023 MONDAY | September 12, 2023 TUESDAY | September 13, 2023 WEDNESDAY | September 14, 2023 THURSDAY | September 15, 2023 FRIDAY |
|-------------------------|---|--|---|---|--|
| 08:30- 09:20 | Free Run-Time | Occupational Health and Safety in Turkey Dr. S.P.Çetintepe | Child Health Dr.H.Tüzün | Occupational Accidents with cases Dr. S.P.Çetintepe | Free Run-Time |
| 09:30- 10:20 | Free Run-Time | Occupational Diseases with cases Dr. S.P.Çetintepe | School Health and Adolescent Health Dr.H.Tüzün | Public Nutrition Dr.H.Tüzün | Methodological Studies Dr.C.Özbaş |
| 10:30- 11:20 | Introducing of Academic Calendar, Course Schedule and Education- Instruction Directive Year III coordinators | Early Diagnosis and Screening Programs Dr.C.Özbaş | Communicable Disease Dr. F.N. Aksakal | Introduction to Environmental Health Dr.H.Tüzün | Introduction to Epidemiology and Descriptive Studies Dr.C.Özbaş |
| 11:30- 12:20 | Public health approaches and principles Dr. H.Tüzün | Epidemiological Indicators Dr.C.Özbaş | Epidemiology of Infectious Diseases Dr. F.N. Aksakal | Healthy Water Dr.H.Tüzün | Intervention Studies Dr.C.Özbaş |
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| 13:30- 14:20 | Health Management and Functions of Health Management Dr. H.Tüzün | Family Medicine in Turkey Dr. H.Tüzün | Immunization Dr. F.N. Aksakal | Investigation and Control of Epidemics of Infectious Diseases Dr. F.N. Aksakal | General considerations in antimicrobial therapy Dr.S.Barun |
| 14:30- 15:20 | Health Politics and Organization in Turkey Dr. H.Tüzün | Health Expenses in Healthcare in Turkey Dr. H.Tüzün | Immunization Dr. F.N. Aksakal | Epidemiology of Infectious Diseases Dr. F.N. Aksakal | Free Run-Time |
| 15:30- 16:20 | Health Literacy Dr. H.Tüzün | | Demographics and Community Aging Dr.H.Tüzün | Notification of Infectious Diseases and Surveillance Dr.C.Özbaş | Free Run-Time |
| 16:30- 17:20 | Mechanisms of bacterial pathogenesis Dr.M.Yalınay | | Health Services in Exceptional Circumstances Dr. H.Tüzün | Notification of Infectious Diseases and Surveillance Dr.C.Özbaş | Free Run-Time |

| | September 18, 2023 MONDAY | September 19, 2023 TUESDAY | September 20, 2023 WEDNESDAY | September 21, 2023 THURSDAY | September 22, 2023 FRIDAY |
|-------------|---|---|---|--|---|
| 08:30-09:20 | Free Run-Time | Air Pollution and Climate Change Dr.H.Tüzün | Accidents Dr.H.Tüzün | Anaerobic Bacteria 1 Dr.K.Çağlar | Bacterial zoonoses 2: Brucella Dr.M.Yalınay |
| 09:30-10:20 | The agent of systemic infection 4: Haemophilus, Pasteuralla Dr.K.Çağlar | ENGLISH EXAM | Waste Management and Other Environmental Health Problems Dr.H.Tüzün | The agent of systemic infection 5: Spirochaetes, Leptospira Dr.A.Kalkancı | Nonfermentative bacteria Dr.M.Yalınay |
| 10:30-11:20 | Aminoglycosides, polypeptides and miscellaneous antibiotics Dr.E.Dileköz | ENGLISH EXAM | Anaerobic bacteria 2: Clostridia Dr.F.Doğruman-Al | The agent of systemic infection 5: Spirochaetes, Leptospira Dr.A.Kalkancı | Aminoglycosides, polypeptides and miscellaneous antibiotics Dr.E. Dileköz |
| 11:30-12:20 | Aminoglycosides, polypeptides and miscellaneous antibiotics Dr.E.Dileköz | ENGLISH EXAM | The agent of systemic infection 3: Bacillus Dr.S. Erganis | Bacterial zoonoses 1: Listeria, Yersinia Dr.A.Kalkancı | Aminoglycosides, polypeptides and miscellaneous antibiotics Dr.E. Dileköz |
| 13:30-14:20 | EVIDENCE BASED MEDICINE (EBM) | The agent of systemic infection 2: Streptococcus Dr.K.Çağlar | Penicillins, Cephalosporins, and other β lactam antibiotics, macrolides Dr.E.Dileköz | Microbial sample collection I Dr.A.Kalkancı | From philosophical ethics to applied ethics: medical ethics Dr N Çobanoğlu |
| 14:30-15:20 | | The agent of systemic infection 2: Streptococcus Dr.K.Çağlar | Penicillins, Cephalosporins, and other β lactam antibiotics, macrolides Dr.E.Dileköz | Microbial sample collection II Dr.A.Kalkancı | From philosophical ethics to applied ethics: medical ethics Dr N Çobanoğlu |
| 15:30-16:20 | Free Run-Time | Immune response against viruses and bacteria Dr.R.Karakuş | Penicillins, Cephalosporins, and other β lactam antibiotics, macrolides Dr.E.Dileköz | Theories of medical ethics Dr N Çobanoğlu | Immune response against fungi and parasites Dr.R.Karakuş |
| 16:30-17:20 | Free Run-Time | Immune response against viruses and bacteria Dr.R.Karakuş | Free Run-Time | Principles of medical ethics Dr N Çobanoğlu | Immune response against fungi and parasites Dr.R.Karakuş |

| | September 25, 2023 MONDAY | September 26, 2023 TUESDAY | September 27, 2023 WEDNESDAY | September 28, 2023 THURSDAY | September 29, 2023 FRIDAY |
|-------------|---|---|--|---|--|
| 08:30-09:20 | Viral pathogenesis Dr.A.Kalkancı | LABORATORY MICROBIOLOGY Staphylococcus and Streptococcus, extracellular secretion | LABORATORY MICROBIOLOGY Clinical sampling, the culture techniques (bacterial morphology and media) | The agent of systemic infection 6: Rickettsia Dr.K.Çağlar | Ethics committees Dr N Çobanoğlu |
| 09:30-10:20 | Viral hemorrhagic fever agents Dr.A.Kalkancı | | | The agent of systemic infection 7: Chlamydia Dr.K.Çağlar | Ethics committees Dr N Çobanoğlu |
| 10:30-11:20 | The agent of systemic infection 1: Staphylococcus Dr.M.Yalınay | | | The viral agent of systemic infection 2: Herpesviruses Dr.K.Çağlar | Vaccination and immunization Dr.A. Atak Yücel |
| 11:30-12:20 | The agent of systemic infection 1: Staphylococcus Dr.M.Yalınay | | | The viral agent of systemic infection 2: Herpesviruses Dr.K.Çağlar | Vaccination and immunization Dr.A. Atak Yücel |
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| 13:30-14:20 | PROBLEM BASED LEARNING (PBL) SCHEDULE 1ST SECTION | LABORATORY MICROBIOLOGY Staphylococcus and Streptococcus, extracellular secretion | LABORATORY MICROBIOLOGY Clinical sampling, the culture techniques (bacterial morphology and media) | The viral agent of systemic infection 3: Picornaviruses Dr.M.Yalınay | Sulfonamides Dr. E. Dileköz |
| 14:30-15:20 | | | | The viral agent of systemic infection 3: Picornaviruses Dr.M.Yalınay | Tetracyclines, amphenicols Dr.E.Dileköz |
| 15:30-16:20 | | | | The viral agent of systemic infection 1: Adenovirus, Parvovirus Dr.F.Doğruman Al | Free Run-Time |
| 16:30-17:20 | | | | Free Run-Time | Free Run-Time |

| | October 02, 2023 MONDAY | October 03, 2023 TUESDAY | October 04, 2023 WEDNESDAY | October 05, 2023 THURSDAY | October 06, 2023 FRIDAY |
|-------------|---|---|--|--|--|
| 08:30-09:20 | Research and publication ethics in medicine Dr N Çobanoğlu | LABORATORY MICROBIOLOGY Colony morphology, staining techniques and microscopy of bacteria | New Pathogens Dr.A.Kalkancı | LABORATORY MICROBIOLOGY Laboratory diagnosis of viral infections | Limited resources in Medicine; organ and tissue transplantation, informed consent and respect for autonomy Dr.N.Çobanoğlu |
| 09:30-10:20 | Research and publication ethics in medicine Dr N Çobanoğlu | | Arthropode-borne parasitic infections 1: Plasmodium, Babesia Dr.F.Doğruman AI | | Infectious Diseases and AIDS within the context of social responsibility of the physician Dr.N.Çobanoğlu |
| 10:30-11:20 | Mucosal immunology Dr. E.Ü. Bağrıaçık | | Arthropode-borne parasitic infections 1: Plasmodium, Babesia Dr.F.Doğruman AI | | Antifungal agents Dr.E.Dileköz |
| 11:30-12:20 | Mucosal immunology Dr. E. Ü. Bağrıaçık | | Arthropode-borne parasitic infections 2: Leishmania, trypanosoma Dr.F.Doğruman AI | | Antiseptics and disinfectants Dr.E.Dileköz |
| 13:30-14:20 | PROBLEM BASED LEARNING (PBL) SCHEDULE 2ND SECTION | LABORATORY MICROBIOLOGY Colony morphology, staining techniques and microscopy of bacteria | MEDICAL ENGLISH | LABORATORY MICROBIOLOGY Laboratory diagnosis of viral infections | Microbiota Immunology Dr.R.Karakuş |
| 14:30-15:20 | | | MEDICAL ENGLISH | | Microbiota Immunology Dr.R.Karakuş |
| 15:30-16:20 | | | ELECTIVE COURSE | | Infectious agents according to systems I Dr.M.Yalınay |
| 16:30-17:20 | | | ELECTIVE COURSE | | Infectious agents according to systems I Dr.M.Yalınay |

| | October 09, 2023 MONDAY | October 10, 2023 TUESDAY | October 11, 2023 WEDNESDAY | October 12, 2023 THURSDAY | October 13, 2023 FRIDAY |
|-------------|--|--|-------------------------------|---|--|
| 08:30-09:20 | CLINICAL SKILLS EDUCATION (CSE) SCHEDULE SKILL TO TAKE ANAMNESIS | Pathology of infectious diseases Dr. P.Uyar Göçün | Free Run-Time | LABORATORY MICROBIOLOGY Blood And Tissue Protozoa and Serology | YEAR III COURSE I EXAM + EBM EXAM |
| 09:30-10:20 | | Pathology of infectious diseases Dr. P.Uyar Göçün | Free Run-Time | | |
| 10:30-11:20 | | Pathology of infectious diseases Dr. P.Uyar Göçün | Free Run-Time | | |
| 11:30-12:20 | | Nuclear Medicine in infectious diseases Dr. L.Ö. Atay | Free Run-Time | | |
| 13:30-14:20 | PROBLEM BASED LEARNING (PBL) SCHEDULE 3 RD SECTION | Clinical and microbiological approach to hospital infections Dr.M.Yalınay | MEDICAL ENGLISH | LABORATORY MICROBIOLOGY Blood And Tissue Protozoa and Serology | |
| 14:30-15:20 | | Microbiota in Health and Disease Dr.M.Yalınay | MEDICAL ENGLISH | | |
| 15:30-16:20 | | Antimicrobial drug interactions Dr.E.Dileköz | ELECTIVE COURSE | | |
| 16:30-17:20 | | Free Run-Time | ELECTIVE COURSE | | |

EXAM

October 13, 2023

09:30am