**T.C.**

**ATILIM UNIVERSITY FACULTY OF MEDICINE**

**EDUCATION IN 2024-2025 ACADEMIC YEAR**

**ACADEMIC CALENDAR**

**Laboratory Lessons:**

1. Medical Skills (Stethoscope & Auscultation) (Dr. Öktem & Dr. Brohi)

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| **COMMITTEE NAME** | **STARTING DATE** | **COMPLETION DATE** |
| **MED 306** | 14.04.2025 | 23.05.2025 |

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| **COMMITTEE NAME** | | | | | | |
|  | **MED 301** | **MED 302** | **MED 303** | **MED 304** | **MED 305** | **MED 306** |
| **MEDICAL SKILLS EXAM DATE** |  |  |  |  |  | 20.05.2025 |
| **COMMITTEE EXAM DATE** |  |  |  |  |  | 23.05.2025 |

**MED306 INTRODUCTION TO CLINICAL MEDICINE**

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| **PHASE III COORDINATOR** | Prof. Dr. Yekbun ADIGÜZEL | | | |
| **CHAIR OF THE MED 306 COMMITTEE** | Dr. Sami Eren | | | |
| **MED 306 COMMITTEE DATE RANGE** | 14.04.2025 – 23.05.2025 | | | |
| **ACADEMIC STAFF**  **AT THE MED 306 COMMITTEE** | Prof. Dr. Necla TÜLEK - Medical Microbiology  Prof. Dr. Nedret KILIÇ- Medical Biochemistry  Prof. Dr. Yekbun ADIGÜZEL- Biophysics  Prof. Dr. Ahmet SALTIK- Public Health  Prof. Dr. Selda Ayşe TEKİNER- Family Medicine  Prof. Dr. Kadri Şafak Güçer-Pediatrics  Assoc. Prof. Dr. Çiğdem Erol- Infectious Disease and Clinical Microbiology  Assoc. Prof. Dr. Hale ÖKTEM – Anatomy  Assoc. Prof. Dr. Selma Usluca-Medical Microbiology  Assoc. Prof. Dr. Fatih KARAAHMET- Internal Medicine  Assoc. Prof. Dr. Ali Doğan Dursun - Physiology  Assoc. Prof. Dr. Ilgar Seyidov - Public Relation  Asst. Prof. Dr. Recep Ali BROHİ -Anatomy  Asst. Prof. Dr. Melike Erol Demirbilek - Medical Biochemistry  Dr. Uğur Kılınç - General Surgery  Dr. Doğukan DOĞU- General Surgery  Asst. Prof. Dr. Sami Eren - Medical Pharmacology  Asst. Prof. Dr. Merve TOPCU BULUT- Clinical Psychology | | | |
| |  |  | | --- | --- | |  |  |   **ACADEMIC STAFF** | **THEORETICAL LECTURE TIME** | **PRACTICAL LECTURE TIME** | **INTERACTIVE EDUCATION**  **TIME** | **TOTAL TIME** |
| **Medical Microbiology** | 16 | - | PBL (6 hours) | 22 |
| **Medical Biochemistry** | 5 | - | - | 5 |
| **Biophysics** | 4 | - | - | 4 |
| **Public Health** | 11 | - | - | 11 |
| **Family Medicine** | 5 | - | - | 5 |
| **Internal Medicine** | 3 | - | CBL (2 hours) | 5 |
| **General Surgery** | 6 | - | - | 6 |
| **Pediatrics** | 2 | - | - | 2 |
| **Behavioral and Social Sciences** | 1 | - | - | 1 |
| **Medical Pharmacology** | 2 | - | - | 2 |
| **Communication Skills (Dr. Dursun)** | 12 | - | - | 12 |
| **Medical Skills (Stethoscope & Auscultation) (Dr. Öktem & Dr. Brohi)** | - | 1 | - | 1 |
| **Clinical Psychology** | 6 | - | - | 6 |
| **TOTAL** | 73 | 1 | 8 | 82 |

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| **Advisor Visit** | 1 |

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| **CONTENT OF THE MED 306 COMMITTEE** | | |
| Organization of Health Services in Turkey; Evolution of Practices of Family physician in Turkey; Approval of informed consent; Principles of community screening; Epidemiologic Research Methods in Medicine; History taking physical examination; Antibiotic use: Beta-lactams; History taking physical examination; Patient sample collection and use of the laboratory; Interpreting laboratory results; Types of radiation; Use of microbiology laboratory & interpretation of results; Antibiotic use: Aminoglycosides, tetracyclines; Antibiotic use: Macrolides, quinolones; Transfusion related infections; Antibiotic use: Others; Consultation in medicine (CBL); Clinical Enzymology; Disability and loss of labor; Antibiotic resistance mechanisms; Pediatric basic life support; First aid; Antibiotic susceptibility tests; Lab: Antibiotic susceptibility tests; Health and rights of health care workers; Medical Skills: Auscultation; Stigmatization & discrimination; Pharmacovigilance; Principles of Clinical Trials. | | |
| **MED 306 COMMITTEE AIM** | | |
| To give information about; the structure and organization of Turkish Health system, how the primary health care functions, how patients are admitted & examined generally, what are the ancillary laboratory facilities used in medicine, usage of antibiotics in medicine, how the physicians act and care for themselves. To provide basic principles of clinical trials and pharmacovigilance. | | |
| **MED 306 COMMITTEE LEARNING OBJECTIVES** | | |
| 1. Selection of the appropriate specimen, transporting and the tests according to the risks 2. Interpretation of culture and sensitivity data on: throat, sputum, urine, blood, stool, wound and others cultures. 3. Interpretation of serology studies: viral diseases (HIV, hepatitis, EBV, CMV, others), syphilis, Lyme disease, etc. 4. Interpretation of rapid tests. 5. What are the parasitic infections in immunocompromised person? Give examples of important parasites in each group. Explain the morphological, epidemiological, clinical features, diagnosis, treatment and prevention methods of these parasites. 6. Describe the key components of appropriate antimicrobial prescribing. 7. Differentiate between prophylactic, empirical and directed therapy. 8. Outline the major adverse effects of antimicrobial therapy. 9. Distinguish bacteriostatic from bactericidal antibacterial activities. 10. Explain the difference between broad-spectrum drugs versus narrow-spectrum antibiotics 11. Implement a systematic approach to using current antimicrobial guidelines for prescribing: Where is the evidence to support antibiotic prescribing or alternative strategies? Which antibiotic should be prescribed? What is the most prudent first line choice? What dose, by what route and for how long? 12. Distinguishes the adverse effects of (ionizing) radiation and protection methods 13. Comprehends the basic principles of nuclear radiation, adverse effects of (ionizing) radiation, protection methods, and distinguishes the principles of associated medical imaging 14. Conceive the concept of «Evidence» in Medicine & Public Health 15. Realise how to create scientific, valid, actual qualitative & quantitative evidences? 16. To conceive scientific, professional, legal, and ethical responsibilities in the Clinical Trials. 17. To understand the pharmacovigilance concept. 18. Public health decision procedures 19. Public Health Services 20. Public health policies – interventions without laying on suitable scientific evidences | | |
| **RECOMMENDED BOOKS**   1. Jawetz, Melnick, & Adelberg's Medical Microbiology, 28e, 2019, McGraw-Hill Education 2. Murray. Rosenthal, . Pfaller, Medical Microbiology 9th Edition,2021 3. Mandell, Douglas, and Bennett's Principles and Practice of Infectious DiseasesEdition, Bennett, JE, Dolin R, Blaser MJ. , 9th Elsevier, 2019 4. Dr. Mehmet Can Akyolcu, 2015, Biophysics, İstanbul Üniversitesi Cerrahpaşa Tıp Fakültesi (Yayın no 295, Rektörlük yayın no 5215, ISBN 978-605-07-0588-1). 5. Basics of Medical Physics. Jirák, Daniel; Vítek, František. First English edition. Prague : Charles University in Prague, Karolinum Press. 2018 6. Katzung's Basic and Clinical Pharmacology (Ed. Todd W. Vanderah),16th Edition, McGraw Hill Lange, 2023. 7. Basic and Clinical Pharmacology (Ed. Katzung BG, Masters SB, Trevor AJ), 12th Edition, McGraw Hill Lange, 2012. 8. Goodman and Gilman's The Pharmacological Basis of Therapeutics (Eds: L. Brunton,‎ B. Knollmann), 14th Edition, McGraw Hill, 2022. 9. Goodman & Gillman’s The Pharmacological Basis of Therapeutics (Ed. Brunton LL, Hilal-Dandan R, Knollmann BC), 13th Edition, McGraw-Hill Education, 2018. 10. Netter’s Infectious Diseases, ELAINE C. JONG, DENNIS L. STEVENS, Elsevier, 2th Edition, 2022. 11. Apurba S Sastry, Sandhya Bhat, Essentials of Medical Microbiology, 3th Edition, JAYPEE BROTHERS Medical Publishers, New Delhi | London, 2021. 12. Murray, Rosenthal, Pfaller. Medical Microbiology (9th Edition); 2020. 13. Jawetz, Melnick, & Adelberg's Medical Microbiology, 28e, 2019, McGraw-Hill Education 14. Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases, 9th Edition, Bennett, JE, Dolin R, Blaser MJ. Elsevier, 2020. 15. Tietz Textbook of Laboratory Medicine, Nader Rifai, Rossa WK Chiu, Ian Young, Carey-Ann D Burnham, Carl T Wittwer, Elsevier, 7th Edition, 2020. 16. Gunn A, Pitt SJ, Parasitology An Integrated Approach, Wiley, 2th Edition, 2022. | | |
| **MED 306 COMMITTEE EXAM WEEK** | | |
| **DATE** | **EXAM NAME** | **EXAM HOUR** |
| 20.05.2024 | Medical Skills (Stethoscope & Auscultation) | 09:30-17:20 |
| 23.05.2024 | MED 306 Committee Exam | 13:30-16:20 |
| **Teaching Methods and Techniques** | |  |  |  |  | | --- | --- | --- | --- | | Lecture | Case based learning | Case discussion | Student presentation | | Role playing | Problem based learning | Project | Homework | | Laboratory practice | Team based learning | Self Learning | Student Panel | | |
| **Evaluation Method** | Theoretical Exam (90%), Medical Skills (5%), PBL (5%) | |
| **Lesson Language** | English | |