**T.C.**

**ATILIM UNIVERSITY FACULTY OF MEDICINE**

**EDUCATION IN 2021-2022 ACADEMIC YEAR**

**ACADEMIC CALENDAR**

**Laboratory Lessons:**

1. Medical Skills: Intramuscular & subcutaneous injection (Dr. Boztepe)
2. Medical Skills: Auscultation, stethoscope (Dr. Güney)

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| **COMMITTEE NAME** | **STARTING DATE** | **COMPLETION DATE** |
| **MED 302** | 16.01.2023 | 24.02.2023 |
| **MED 304** | 27.02.2023 | 07.04.2023 |
| **MED 306** | 10.04.2023 | 19.05.2023 |

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| **COMMITTEE NAME** |
|  | **MED 301** | **MED 302** | **MED 303** | **MED 304** | **MED 305** | **MED 306** |
| **MEDICAL SKILLS EXAM DATE** |  |  |  |  |  | 17.05.2023 |
| **COMMITTEE EXAM DATE** |  |  |  |  |  | 18.05.2023 |

**MED306 INTRODUCTION TO CLINICAL MEDICINE**

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| **PHASE III COORDINATOR** | Prof. Dr. Yekbun ADIGÜZEL |
| **CHAIR OF THE MED 306 COMMITTEE** | Asst. Prof. Dr. Esin BODUROĞLU |
| **MED 306 COMMITTEE DATE RANGE** | 10.04.2023 – 18.05.2023 |
| **ACADEMIC STAFF** **AT THE MED 306 COMMITTEE** | Prof. Dr. Necla TÜLEK- Medical MicrobiologyProf. Dr. Nedret KILIÇ- Medical BiochemistryProf. Dr. Ali ACAR- Medical MicrobiologyProf. Dr. Yekbun ADIGÜZEL- Medical BiologyProf. Dr. Ahmet SALTIK- Public HealthProf. Dr. Selda Dilek TEKİNER- Family MedicineProf. Dr. Gürol CANTÜRK-Forensic MedicineProf. Dr. Murat YURDAKÖK-PediatricsAssoc. Prof. Dr. Fatih KARAAHMET- Internal MedicineAssoc. Prof. Dr. Handan BOZTEPE- NursingAsst. Prof. Dr. Esin BODUROĞLU- PathologyAsst. Prof. Dr. M. F. Tolga SOYAL- Cardiovascular SurgeryAsst. Prof. Dr. Gökşen ÖZ- Medical PharmacologyAsst. Prof. Dr. Merter GÜLEN- General SurgeryAsst. Prof. Dr. Murat Doğan İŞCANLI- Emergency MedicineAsst. Prof. Dr. Cemal YÜCE- RadiologyAsst. Prof. Dr. Murat Can GÜNEY- CardiologyAsst. Prof. Dr. Umut BEKTAŞ- Orthopaedics and Traumatology Asst. Prof. Dr. Mehmet Derviş GÜNER- Orthopaedics and Traumatology Asst. Prof. Dr. Gülcan ERK- Anesthesiology and Reanimation |
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**ACADEMIC STAFF** | **THEORETICAL LECTURE TIME** | **PRACTICAL LECTURE TIME** | **INTERACTIVE EDUCATION****TIME** | **TOTAL TIME** |
| **Medical Microbiology** | 14 | 1 | - | 15 |
| **Medical Biochemistry** | 5 | - | - | 5 |
| **Medical Biology** | 2 | - | - | 2 |
| **Medical Pharmacology** | 7 | - | - | 7 |
| **Public Health** | 13 | - | - | 13 |
| **Family Medicine** | 4 | - | - | 4 |
| **Forensic Medicine** | 2 | - | - | 2 |
| **Internal Medicine** | 2 | - | CBL (2 hours) | 4 |
| **Cardiovascular Surgery** | 2 | - | - | 2 |
| **Cardiology** | - | - | Medical Skills (1 hour) | 1 |
| **General Surgery** | 1 | - | - | 1 |
| **Emergency Medicine** | 2 | - | - | 2 |
| **Radiology** | 2 | - | - | 2 |
| **Orthopedics and Traumatology** | 1 | - | - | 1 |
| **Anesthesiology and Reanimation** | 1 | - | - | 1 |
| **Pediatrics** | 2 | - | - | 2 |
| **Nursing** | - | 1 | - | 1 |
| **Pathology** | 1 | - | - | 1 |
| **TOTAL** | 61 | 2 | 3 | 66 |

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| **Advisor Visit** | - |

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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; Ethics in medical research: Breachs and legal status; Principles of community screening; Epidemiologic Research Methods in Medicine; History taking physical examination; Antibiotic use: Beta-lactams; History taking physical examination; Medical Skills (Auscultation, stethoscope); Transfusion medicine & blood banking; 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; Pharmacovigilance; How to ask pathology service?; Antibiotic use: Others; Consultation in medicine (CBL); Airway management; General management of burns; Management of trauma; Evidence based medicine; Anti-viral drugs; General management of poisoned patient; Malpractice; Anaphylaxis; Choosing right imaging technique; Case scenarios in radiology; Clinical Enzymology; Disability and loss of labor; Antibiotic resistance mechanisms; Pediatric basic life support; First aid; Antibiotic susceptibility tests; Lab: Antibiotic susceptibility tests; Neonatal Physiology; adaptation to extrauterine neonatal life; Health and rights of health care workers; Medical Skills: Auscultation, stethoscope |
| **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, management of critical patients, basic life support. To provide basic medical skills necessary for a primary care physician in practice |
| **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. Describe the key components of appropriate antimicrobial prescribing
6. Differentiate between prophylactic, empirical and directed therapy
7. Outline the major adverse effects of antimicrobial therapy
8. Distinguish bacteriostatic from bactericidal antibacterial activities
9. Explain the difference between broad-spectrum drugs versus narrow-spectrum antibiotics
10. 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?
11. Distinguishes the adverse effects of (ionizing) radiation and protection methods
12. Definition and different states of conciousness which is necessary for understanding the cognitive disorders
13. Comprehends the basic principles of nuclear radiation, adverse effects of (ionizing) radiation, protection methods, and distinguishes the principles of associated medical imaging
14. Define the concept of “Causality” and “Causal relationship”
15. Describe the concept “association”, and “primary - secondary” association
16. Differentiate the gap between “association” & “causality”
17. Be very careful when making a decision whether an association was causal or not
18. Conceive the vital function of exploring causal association in science including Medicine
19. Conceiving the concept of «Evidence» in Medicine & Public Health
20. Realise how to create scientific, valid, actual qualitative & quantitative Evidences?
21. Utilise required evidence at an optimal scale for problem solving & decision making
22. Construct Scientific, Legal, Ethical and Professional responsibilities in the Clinical &
23. Public Health Decision Procedures
24. Develop Reasoning Skills in evaluating Evidences for both clinical care &
25. Public Health Services
26. Understand properly the nature of relationships among variables
27. Diffrentiat ordinary / common relationship and Causality ties among variables
28. Conceive; no way for making clinical diagnosis, treatment and follow up patients,
29. public health policies – interventions without laying on suitable scientific evidences
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| **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. Perrotta G (2021) The state of consciousness: From perceptual alterations to dissociative forms. Analysis of neurobiological and clinical profiles. J Neurol Neurol Sci Disord 7(1): 006-018. DOI: <https://dx.doi.org/10.17352/jnnsd.000042>
6. Basics of Medical Physics. Jirák, Daniel; Vítek, František. First English edition. Prague : Charles University in Prague, Karolinum Press. 2018
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| **MED 306 COMMITTEE EXAM WEEK** |
| **DATE** | **EXAM NAME** | **EXAM HOUR** |
| 17.05.2023 | Medical Skills (Auscultation, stethoscope) | 09:30-17:20 |
| 18.05.2023 | MED 306 Committee Exam | 09:30-12:20 |
| **Teaching Methods and Techniques** |

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| [x]  Lecture |  [x]  Case based learning | [ ]  Case discussion | [ ]  Student presentation |
| [ ]  Role playing |  [ ]  Problem based learning | [ ]  Project | [ ]  Homework |
| [ ]  Laboratory practice |  [ ]  Team based learning | [x]  Self Learning | [ ]  Student Panel |

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| **Evaluation Method** | Theoretical Exam (85%), Student Evaluation Form (10%), , Medical Skills (5%) |
| **Lesson Language** | English |