**T.C.**

**ATILIM UNIVERSITY FACULTY OF MEDICINE**

**EDUCATION IN 2024-2025 ACADEMIC YEAR**

**ACADEMIC CALENDAR**

**Laboratory Lessons:**

1. Fundamentals of microscopy (1 hour, Dr. Sönmez & Dr. Tevlek)
2. Clinical Skill: Hand hygiene (1 hour, Dr.Usluca & Dr. Arslan)

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| **COMMITTEE NAME** | **STARTING DATE** | **COMPLETION DATE** |
| **MED 101** | 18.09.2024 | 18.10.2024 |
| **MED 103** | 21.10.2024 | 06.12.2024 |
| **MED 105** | 09.12.2024 | 10.01.2025 |

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| **COMMITTEE NAME** | | | | | | |
|  | **MED 101** | **MED 102** | **MED 103** | **MED 104** | **MED 105** | **MED 106** |
| **CLINICAL SKILL**  **EXAM DATE** | 18.10.2024 |  |  |  |  |  |
| **COMMITTEE EXAM DATE** | 17.10.2024 |  |  |  |  |  |

**MED101 INTRODUCTION TO MEDICINE COMMITTEE**

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| **PHASE I COORDINATOR** | Assoc. Prof. Dr. Nuriye Ezgi BEKTUR AYKANAT | | | |
| **CHAIR OF THE MED 101 COMMITTEE** | Prof. Dr. Yekbun ADIGÜZEL | | | |
| **MED 101 COMMITTEE DATE RANGE** | 18.09.2024- 18.10.2024 | | | |
| **ACADEMIC STAFF**  **AT THE MED 101 COMMITTEE** | Prof. Dr. Necla TÜLEK-Medical Microbiology  Prof. Dr. Yekbun ADIGÜZEL- Medical Biology  Prof. Dr. Nedret KILIÇ- Medical Biochemistry  Prof. Dr. Ahmet SALTIK- Public Health  Prof. Dr. Çağla SÖNMEZ- Medical Biology Prof. Dr. Nesrin ÇOBANOĞLU- Deontology Assoc. Prof. Dr. Selma USLUCA-Medical Microbiology  Assoc. Prof. Dr. Hale ÖKTEM- Anatomy  Assoc. Prof. Dr. Nuriye Ezgi BEKTUR AYKANAT-Histology and Embryology  Assoc. Prof. Dr. A. Selda TEKİNER**-** Family Medicine  Asst. Prof. Dr. Badegül SARIKAYA- Physiology  Asst. Prof. Dr. Aykut İlker ARSLAN- Medical Microbiology  Asst. Prof. Dr. Sami EREN- Medical Pharmacology  Asst. Prof. Dr. Atakan TEVLEK- Medical Biology  Asst. Prof. Dr. Fatma YERLİKAYA ÖZKURT- Biostatistics  Res. Asst. Özge BOYACIOĞLU-Medical Biochemistry  Res. Asst. Sinem Nur SEVER-Anatomy | | | |
| |  |  | | --- | --- | |  |  |   **ACADEMIC STAFF** | **THEORETICAL LECTURE TIME** | **PRACTICAL LECTURE TIME** | **INTERACTIVE EDUCATION**  **TIME** | **TOTAL TIME** |
| **Anatomy** | 8 | - | - | 8 |
| **Histology and Embryology** | 1 | - | - | 1 |
| **Medical Microbiology** | 7 | 1 | - | 8 |
| **Medical Pharmacology** | 1 | - | - | 1 |
| **Medical Biochemistry** | 1 | - | - | 1 |
| **Medical Biology** | 6 | 1 | - | 7 |
| **Deontology** | 8 | - | - | 8 |
| Biostatistics | 4 | - | - | 4 |
| **Physiology** | 1 | - | - | 1 |
| **Public Health** | 7 | - | - | 7 |
| **Family Medicine** | 2 | - | - | 2 |
| **TOTAL** | 46 | 2 | - | 48 |

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| **Office Hour** | - |

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| **CONTENT OF THE MED 101 COMMITTEE** | | |
| Atılım University School of Medicine; what is science; what is medicine; physician's oath; visit to Medicana Hospital clinics; professionalism in medicine; clinical ethics support services in Turkey; problem-based learning for medical ethics; basic medical skills; basic communications skills. | | |
| **MED 101 COMMITTEE AIM** | | |
| To gain knowledge about physician's identity, physician-patient’s roles, rights and responsibilities, medical education, history of medicine, basic ethics concepts and methods.  Also, to gain skills for basic communication and medical practices. | | |
| **MED 101 COMMITTEE LEARNING OBJECTIVES** | | |
| 1) Explains the concept of science and medicine.  2) Determines the philosophy of science and research.  3) Explains the history of research.  4) Lists the basic principles of science and research ethics.  5) Lists the basic principles of scientific publication ethics.  6) Explains the importance of leadership in science.  7) Describes the basic research methods.  8) Investigates the research resources.  9) Attends to teamwork.  10) Describes and applies basic communication skills.  11) Performs basic medical skills.  12) Describes the dianostic stages and techniques in pathology laboratory.  13) Describes the hand hygiene  14) Describe how to protect himself from infectious agents  15) Define and explain epidemics and developments of pandemics  16) Defines the structures of hydrocarbons and chemical bonds.  17) Explains how to prepare buffer solutions and measure pH.  18) Identify the four basic word elements used to form medical words.  19) Divide medical words into their component parts.  20) Define and provide examples of surgical, diagnostic, pathological, and related  21) suffixes.  22) Determine the use of a combining form and word root when linking these elements  23) to a suffix.  24) Explain the use of prefixes in medical terminology.  25) Explain how a prefix changes the meaning of a medical word.  26) Identify prefixes of position, number and measurement, and direction.  27) Understand and identify levels of organization and anatomical planes of the body.  28) Identify the cavities, quadrants, and regions of the body.  29) Understand the terms related to direction, position, and planes of the body.  30) Describe diagnostic and therapeutic procedures and other terms associated with  31) body structure. | | |
| **RECOMMENDED BOOKS**  1.Basic & Clinical Pharmacology (14th Edition); Bertram G. Katzung,‎ Anthony J. Trevor; McGraw-Hill, 2018.  2. Braddom's Physical Medicine and Rehabilitation (5th Edition); David X. Cifu MD; Elsevier, Philadelphia, 2016.  3. Gray’s Anatomy for Students (3rd Edition); Richard L. Drake, A. Wayne Vogl, Adam W. M. Mitchell; Churchill Livingston Elsevier, Philadelphia, 2015.  4. Guyton and Hall Textbook of Medical Physiology (13th Edition); John E. Hall; Elsevier, Philadelphia, 2016.  5. Histology and Cell Biology: An Introduction to Pathology (4th Edition); Abraham L. Kierszenbaum, Laura L. Tres; Elsevier Saunders, Philadelphia, 2015.  6. Medical Microbiology (8th Edition); Patrick Murray, Ken Rosenthal, Michael Pfaller; Elsevier Saunders, 9 th. Edition, Philadelphia, 2020.  7. Molecular and Cellular Biophysics; Meyer B. Jackson; Cambridge University Press, Cambridge, 2006.  8. Robbins Basic Pathology (10th Edition); Vinay Kumar, Abul K. Abbas, Jon C. Aster; Elsevier Saunders, Philadelphia, 2018.  9. Harper’s Illustrated Biochemistry (30th Edition); Victor W. Rodwell, David Bender, Kathleen M. Botham, Peter J. Kennelly, P. Anthony Weil; McGraw-Hill, 2015.  10. Fundamentals of Biostatistics (8th Edition); Bernard Rosner; Cengage Learning, Boston, 2016.  11. Leadership: Theory and Practice (7th edition); Peter G. Northouse; SAGE Publications, 2015  12. Principles of Biomedical Ethics (7th Edition); Tom L. Beauchamp, James F. Childress; Oxford University Press, 2012  13. The Book of Why: The New Science of Cause and Effect (1st Edition); Judea Pearl, Dana Mackenzie; Harvard Health Publications, 2018  14. The Nature of Creative Development (1st Edition); Jonathan S. Feinstein; Stanford University Press, Stanford, 2006.  15. Cell and molecular biology (2th edition); Nalini Chandar, PhD, Susan Viselli, PhD, Lipincot Wiliams & Wilkins, 2019.  16. Molecular cell biology (8th edition); Harvey Lodish, W.H.Freeman & Co Ltd, 2016.  17. Molecular biology of the cell (6th edition); Bruce Alberts, W. W. Norton & Company, 2015.  18. Medical Terminology Systems, A Body Systems Approach (Fifth Edition); Barbara A. Gylys, Mary Ellen Wedding, F. A. Davis Company, Philadelphia, 2005.  **OTHER RESOURCES:**   1. Using Personal Protective Equipment:<https://www.cdc.gov/coronavirus/2019-ncov/hcp/using-ppe.html> 2. Epidemic Disease Occurrence: <https://www.cdc.gov/csels/dsepd/ss1978/lesson1/section11.html> 3. **LABORATORY BIOSAFETY MANUAL** (<https://iris.who.int/bitstream/handle/10665/337956/9789240011311-eng.pdf?sequence=1>). 4. **LABORATORY DESIGN AND MAINTENANCE** (<https://iris.who.int/bitstream/handle/10665/337960/9789240011397-eng.pdf?sequence=1>). 5. **BIOLOGICAL SAFETY CABINETS AND OTHER PRIMARY CONTAINMENT DEVICES** (<https://iris.who.int/bitstream/handle/10665/337957/9789240011335-eng.pdf?sequence=1>). 6. **Standard Safety Practices in the Microbiology Laboratory (Appendix 1)** (<https://cdn.who.int/media/docs/default-source/antimicrobial-resistance/amr-spc-sel-glass/who-cds-csr-rmd-2003-6(appendices1-2).pdf?sfvrsn=5895a177_2)>. 7. **DECONTAMINATION AND WASTE MANAGEMENT** (<https://iris.who.int/bitstream/handle/10665/337958/9789240011359-eng.pdf?sequence=1>). 8. **WHO Guidelines on Hand Hygiene in Health Care (**<https://iris.who.int/bitstream/handle/10665/44102/9789241597906_eng.pdf?sequence=1>) 9. **Hand Hygiene Technical Reference Manual (**<https://iris.who.int/bitstream/handle/10665/44196/9789241598606_eng.pdf?sequence=1>) 10. **WHO Guidelines on Hand Hygiene in Health Care (**<https://iris.who.int/bitstream/handle/10665/44102/9789241597906_eng.pdf?sequence=1>) | | |
| **MED 101 COMMITTEE EXAM WEEK** | | |
| **DATE** | **EXAM NAME** | **EXAM HOUR** |
| 17.10.2024 | MED 101 Committee Exam | 09:30-12:20 |
| 18.10.2024 | Clinical Skill Examination | 12:30-16:20 |
| **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 | Team based learning | | Quiz |  |  |  | | |
| **Evaluation Method** | Theoretical Exam (88,5%), Clinical Skills (10%), Medical Terminology Quiz (1,5%) | |
| **Lesson Language** | English | |