**T.C.**

**ATILIM UNIVERSITY MEDICINE FACULTY**

**EDUCATION IN 2020-2021 ACADEMIC YEAR**

**SPRING SEMESTER ACADEMIC CALENDAR**

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| **COMMITTEE NAME** | **STARTING DATE** | **COMPLETION DATE** |
| **MED 102** | 22.02.2021 | 02.04.2021 |
| **MED 104** | 05.04.2021 | 17.05.2021 |
| **MED 106** | 17.05.2021 | 11.06.2021 |

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| **COMMITTEE NAME** |
|  | **MED 101** | **MED 102** | **MED 103** | **MED 104** | **MED 105** | **MED 106** |
| **ANATOMY PRACTICAL EXAM DATE** | - | - | - | - | - | - |
| **HISTOLOGY AND EMBRYOLOGY PRACTICAL EXAM DATE** | - | - | - | - | - | - |
| **MEDICAL BIOLOGY PRACTICAL EXAM DATE** | - | - | - | - | - | - |
| **COMMITTEE EXAM DATE** | - | - | - | - | - | 11.06.2021 |

**MED106 PUBLIC HEALTH**

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| **PHASE I COORDINATOR** | Prof. Dr. Veli Cengiz ÖZALP |
| **PHASE I COORDINATOR ASSISTANT** | Asst. Prof. Dr. Nuriye Ezgi BEKTUR AYKANAT |
| **CHAIRMAN OF THE MED 106 COMMITTEE** | Prof. Dr. Necla TÜLEK |
| **MED 106 COMMITTEE DATE RANGE** | 03.05.2021- 29.05.2021 |
| **ACADEMIC STAFF AT THE MED 106 COMMITTEE** | Prof. Dr. Ahmet SALTIK- Public HealthProf. Dr. Uğur GÖNÜLLÜ- Pulmonary DiseasesProf. Dr. Necla TÜLEK- Medical MicrobiologyProf. Dr. Nesrin ÇOBANOĞLU- Medical Deontology and EthicProf. Dr. Sevtap Hamdemir KILIÇ- Gynecology & Obstetrics Prof. Dr. Cem Hasan RAZİ-PediatricsProf. Dr. Müge TECDER- Medical PharmacologyProf. Dr. Ali ACAR- Medical MicrobiologyAsst. Prof. Dr. Fatma YERLİKAYA ÖZKURT - BiostatisticsAsst. Prof. Dr. Esin BODUROĞLU- Medical PathologyAsst. Prof. Dr. Ali Doğan DURSUN- PhysiologyAsst. Prof. Dr. Selda TEKİNER- Family Medicine |
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**ACADEMIC STAFF** | **THEORETICAL LESSON TIME** | **PRACTICAL LESSON TIME** | **INTERACTIVE EDUCATION****TIME** | **TOTAL TIME** |
| **Public health** | 39 | - | - | 39 |
| **Medical Pharmacology** | 4 | - | - | 4 |
| **Medical Microbiology** | 12 | 3 | 2 | 17 |
| **Physiology** | 1 | - | - | 1 |
| **Medical Pathology** | 2 | - | - | 2 |
| **Biostatistics** | 6 | 2 | - | 8 |
| **Pulmonary Diseases** | 1 | - | - | 1 |
| **Gynecology & Obstetrics** | 1 | - | - | 1 |
| **Pediatrics** | 1 | - | - | 1 |
| **TOTAL** | 67 | 5 | 2 | 74 |

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| **Office Hour** | 27.05.2021 – (11:30 – 12:20) |

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| **CONTENT OF THE MED 106 COMMITTEE**  |
| Introduction to public health, health and disease concepts, public health in developed and in developing countries, globalization and health, components of health, socioeconomic differences and public health, food and water safety, environmental health and inspection, access to health services, human rights and health. Vaccines, immunization programmes, sterilization-disinfection-asepsis,visit to Medicana Hospital clinics. |
| **MED 106 COMMITTEE AIM** |
| To gain knowledge about the concepts of health, social medicine and public health, determinants of health, indicators of health level, health management and economics, occupational safety and health, major environmental health problems, management of public health disaster and epidemics, vaccines, immunization programmes, sterilization, disinfection, antisepsis, drug development, tobacco use, hypothesis testing |
| **MED 106 COMMITTEE LEARNING OBJECTIVES** |
| 1. Explains the concepts of health and disease. 2. Defines the concepts of social and public health. 3. Describes the development of public health discipline in developed and developing communities. 4. Relates globalization with health. 5. Defines the determinants of health. 6. Describes the behavior and belief related to health. 7. Explains the effects of socioeconomic inequalities on health.8. Explains human rights and its association with health. 9. Explains the influence of health in social events and in risky groups. 10. Defines the importance of discrimination in public gender and compares its effect in terms of health.11. Summarizes health-related social policies. 12. Explains and compares national and international health policies.13. Explains and illustrates national and international health problems.14. Lists national and international health organizations, and explain their responsibilities. 15. Explains health management.16. Explains health economics. Lists the social and economic indicators of health.17. Describes health level indicators. 18. Explains how to measure health level of the community. 19. Describes the legal dimension of community health. 20. Explains the concepts of occupational health and safety in national and international dimensions. 21. Defines the rights of health workers. 22. Explains the management of medical waste. 23. Describes healthy environment. 24. Describes the psyco-social and biological environment. 25. Describes major environmental health issues and public health disasters, management of epidemics. 26. Explains the effects of environmental degradation on health. 27. Explains the effects of urbanization and industrialization on health. 28. Explains safe diet and balanced nutrition. 29. Explains the principles of protection of health. 30. Explains the importance of the food and water safety31. Describes the importance of physical activity32. Describes the harmful effect of substance use 33. Defines the basic principles of vaccination, 34. Describe the types of vaccines and explain their differences in effectiveness35. Names several live attenuated viral vaccines in current use.36. Names inactivated bacterial vaccines currently in use37. Names toxoid vaccines currently in use38. Explains the concept of recombinant vaccines.39. Explains the new drug development40. Defines the pharmacogenetics41. Explains the Modern Science in Medicine and Features of the 20th Century Medicine42. Defines the history of Tukish Medicine after republic43. Describe the vaccine hesiitancy and activities against it44. Describes the hypothesis testing45. Defines antiseptic, aseptic, bactericidal, bacteriostatic, disinfectant, germiside, sterilization46. Describes the tissue injury types due to physical agents and explains the diagnosis and treatments of damages caused by physical agents47. Discusses the pros and cops using boiling, pasteurization, and autoclaving to control microbial growth48. Describes the effects of ionizing and nonionizing radiation on microbes49. Explains the mechanisms of action and uses of the following in controlling microbial growth effects difference between cationic and anionic detergents (lists examples) |
| **RECOMMENDED BOOKS**1- Basic & Clinical Pharmacology (14th Edition); Bertram G. Katzung,‎ Anthony J. Trevor; McGraw-Hill, 2018.2- Oxford Textbook of Public Health (6th Edition); Roger Detels, Robert Beaglehole, Mary Ann Lansang, Martin Gulliford; Oxford Medical Publications, 2015.3- Textbook of Family Practice, 9th Edition Robert E. Rakel, David P. Rakel, 20154- Medical Microbiology (8th Edition); Patrick Murray, Ken Rosenthal, Michael Pfaller; Elsevier Saunders, Philadelphia, 2016.5-Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases. John Bennett Raphael Dolin Martin J. Blaser. 9 th edition., 20196- Robbins Basic Pathology (10th Edition); Vinay Kumar, Abul K. Abbas, Jon C. Aster; Elsevier Saunders, Philadelphia, 2018.7- Park’s Textbook of Preventive and Social Medicine (23rd Edition); K. Park; Bhanot, 2015.8- Evaluating Public and Community Health Programs (2nd Edition); Muriel J. Harris; John Wiley & Sons, New York, 2016.9- Comparative Health Systems: A Global Perspective (2nd Edition); James A. Johnson, Carleen Stoskopf, Leiyu Shi; Jones and Bartlett Publishers, Burlington, 2018.10- Epidemiology (5th Edition); Leon Gordis; Elsevier Saunders, Philadelphia, 2014.11- Jawetz, Melnick, & Adelberg's Medical Microbiology, 28e,   McGraw-Hill Education, 201912- Medical Physiology 3rd Edition by Boron MD PhD, Walter F, Boulpaep MD, Emile L. (2017) |
| **MED 106 COMMITTEE EXAM WEEK** |
| **DATE** | **EXAM NAME** | **EXAM HOUR** |
| 11.06.2021 | MED 106 Committee Exam | 09:30-12:30 |
| **Teaching Methods and Techniques** |

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

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| **Evaluation Method** | Theoretical Exam (75%), Role Playing (5%), Homework (20%) |
| **Lesson Language** | English |