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| C:\Users\Namariel\Downloads\TıpF (1)\TıpF\TıpF-2.png  **MARMARA UNIVERSITY SCHOOL of MEDICINE** | | | |
| INTRODUCTION TO CELL AND CELLULAR REPLICATION  YEAR 1 COURSE 1  October 02 – November 24, 2023 | | | |
| **Coordinator of the Course 1.1**  Assoc. Prof. Ahmet Erdi SOZEN | | **Coordinator of the Module 1.1**  Assist. Prof. Can ERZİK | |
| **Year 1 Coordinators**  Prof Dilek AKAKIN & Prof. Mustafa AKKİPRİK | | | |
| **Module Coordinators**  Prof. Rezzan GÜLHAN, Assist.Prof. Sinem YILDIZ İNANICI | | **Introduction to Clinical Practice (ICP) Coordinators**  Prof. Gülru Pemra CÖBEK ÜNALAN,  Prof. Serap ÇİFÇİLİ | |
| **Coordinator of Multidisciplinary Students’ Lab**.  Assoc. Prof. Mehmet Burak AKSU | | **Coordinator of Clinical Skills Lab.**  Prof. Çiğdem APAYDIN KAYA | |
| **Coordinator of Assessment Unite**  Assoc . Prof. Cevdet NACAR | | **Coordinator of Student Exchange Programs**  Assist. Prof. Can ERZİK | |
| **Vice-Chief Coordinators** | | | |
| **Program**  Prof. Oya ORUN | **Assessment**  Prof. Hasan R. YANANLI | | **Students’ Affairs**  Assist. Prof. Can ERZİK |
| **Chief Coordinator (Pre-Clinical Education)**  Prof. Serap ŞİRVANCI | | **Coordinator of Medical Education Program Evaluation and Development Commission**  Prof. Harika ALPAY | |
| **Vice Dean (Education)**  Prof. Altuğ ÇİNÇİN & Prof. Hasan R. YANANLI | | **Dean**  Prof. Ümit Süleyman ŞEHİRLİ | |

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| MU MEDICAL SCHOOL PRE-CLINICAL EDUCATION PROGRAM |
| LEARNING OUTCOMES / COMPETENCIES   1. Clinical Care: Qualified patient care and community oriented health care 2. Basic clinical skills 3. The organization and management of the patient and the patient care 4. The organization and the management of health care delivery services / system 5. Health promotion and disease prevention 6. Medical Knowledge and Evidence-Based Medicine 7. Appropriate information retrieval and management skills 8. The integration of knowledge, critical thinking and evidence-based decision making 9. Scientific methods and basic research skills 10. Professional Attitudes and Values 11. Communication skills and effective communication with patients / patient relatives 12. Interpersonal relationships and team working 13. Ethical and professional values, responsibilities 14. Individual, social and cultural values and responsibilities 15. Reflective practice and continuing development 16. Healthcare delivery systems, management and community oriented health care 17. Education and counseling |
| PHASE-1 LEARNING OBJECTIVES   1. Understanding the normal structures and functions of human body 2. Correlating the basic concepts and principles to each other that define health and disease; applying basic concepts and principles to health and disease conditions 3. Developing clinical problem solving, clinical reasoning and evaluation skills by integrating biomedical, clinical, social and humanities knowledge 4. Gaining basic clinical skills by applications in simulated settings. 5. Awareness of the professional values in health and disease processes (professional, individual, societal) and acquisition necessary related skills 6. Evaluating critically and synthesizing all the medical evidence and perform respecting scientific, professional and ethical values 7. Acquisition skills in reflective thinking and practicing, being open to continuous individual / professional development. |
| PHASES – 1 THEMA/ORGAN SYSTEM-BASED COURSE PROGRAMS  Year 1, Course 1: Introduction to Cell and Cellular Replication  Year 1, Course 2: Cellular Metabolism and Transport  Year 1, Course 3: Development and Organization of Human Body  Year 1, Course 4: Introduction to Nervous System and Human Behavior  Year 2, Course 1: Cell and Tissue Injury I  Year 2, Course 2: Cell and Tissue Injury II  Year 2, Course 3: Hematopoietic System and Related Disorders  Year 2, Course 4: Musculoskeletal, Integumentary Systems and Related Disorders  Year 2, Course 5: Respiratory System and Related Disorders  Year 3, Course 1: Cardiovascular System and Related Disorders  Year 3, Course 2: Gastrointestinal System, Metabolism and Related Disorders  Year 3, Course 3: Nervous System and Related Disorders  Year 3, Course : Growth, Development, Mental Health and Related Disorders  Year 3, Course 5: Urinary and Reproductive System and Related Disorders |

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| INTRODUCTION TO CELL AND CELLULAR REPLICATION | | |
| AIM and LEARNING OBJECTIVES of COURSE  **Aim:** At the end of this committee, first year students will gain knowledge about structure, function and mechanisms in human biology at the molecular and cellular levels with a specific emphasis on cellular replication and genetics.  **Learning Objectives:** At the end of this committee, students will,   * Identify and describe the development, structure and function of cell and its subcomponents * Evaluate the biochemical process of the cell * Understand cell division process and related mechanisms * Describe the genetics mechanisms and protein biosynthesis * Understand genetic variation in individuals * Describe the molecular mechanisms of genetic inheritance and genetic basis of inherited disease * Acquire skills necessary to perform experimental applications | | |
| **ASSESSMENT SYSTEM**  Module examination: Written exam at the end of module (10 % of final score)  Practical examination: Practical exams at the end of course  Course examination: Written exam at the end of course | **PROGRAM EVALUATION**  Evaluation at the end of the course, is done both orally and by using structured evaluation forms | |
| DEPARTMENTS PARTICIPATING IN COURSE-1 & MODULE-1 | | |
| * Biochemistry * Biophysics * Biostatistics * Child and Adolescent Psychiatry * Histology &Embryology * Pharmacology and Clinical Pharmacology | | * Medical Biology * Medical Genetics * Medical History and Ethics * Obstetrics and Gynecology * Pediatrics * Public Health |
| LECTURERS / TUTORS | | |
| Mustafa AKKİPRİK, Professor of Medical Biology  Gülru Pemra CÖBEK ÜNALAN, Professor of Family Medicine  Özge EMRE, Instructor of Medical English  Feriha ERCAN, Professor of Histology&Embryology  Fatih EREN, Professor of Medical Biology  Can ERZİK, Assist. Professor of Medical Biology  Bilgen Bilge GEÇKİNLİ, Assoc. Professor of Medical Genetics  Mehmet Ali GÜLPINAR, Professor of Medical Education  Goncagül HAKLAR, Professor of Biochemistry  Pınar MEGA TİBER, Professor of Biophysics  Cevdet NACAR, Assoc. Professor of Biophysics | | Orhan ÖNDER, Lect. of Medical History and Ethics  İrem PEKER EYÜBOĞLU, Assist.Professor of Medical Biology  Gürkan SERT, Assoc. Professor of Medical History and Ethics  Erdi SÖZEN, Assoc. Professor of Biochemistry  Önder ŞİRİKÇİ, Professor of Biochemistry  Serap ŞİRVANCI, Professor of Histology&Embryology  Yeşim TALMAN, Assoc. Professor of Basic Pharmaceutical Sciences  Sinem YILDIZ İNANICI, Assist. Professor of Medical Education  Betül YILMAZ, Professor of Biochemistry  Maide BARIŞ, Assist.Professor of Medical History and Ethics  Gökçe Güllü Amuran, Assist. Professor of Medical Biology  Emrah Gökay Özgür, Assist. Professor of Biostatistics  Ayşe Mine Yılmaz, Lect. of Biochemistry |
| READING / STUDYING MATERIALS   * Basic Histology, Junqueira, Corneiro, 8th Ed., Lange * Başlangıcından Rönesansa Kadar Tıp Tarihi, Emine Atabek, Şefik Görkey * Biochemistry, Stryer, 4th Ed., Freeman * Biochemistry, Zubay, 3rd Ed., WCB * Color Textbook of Histology, Gatrner, Hiatt, WB Saunders * Harper's Biochemistry, Murray, Granner, 23rd Ed., Lange * Histology: A Text and Atlas, Ross, Romwell, 3rd, Lippincott * History of Medicine Ders Notları, Şefik Görkey * Lehninger Principles of Biochemistry, Nelson, Cox, 3rd, Worth * Medicine: An Illustrated History, Albert S. Lyons, R. Joseph Petrucelli, * Molecular Biology of the Cell, Alberts, Bray, 3rd Ed., Garland * Physics, Giancoli, 4th Ed., Prentice Hall * The Cell: A Molecular Approach, Cooper, 2nd Ed., ASM Press * Türk Tıp Tarihi, Bedi Şeyhsuvaroğlu, Gönül Cantay | | |

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| SUMMARY OF THE COURSE | | | |
| **Discipline** | **Lecture & Group Discussion** | **Multidisciplinary Lab. & Clinical Skills Lab. Practice** | Total |
| Biochemistry | 27 | 8 | 35 |
| Biophysics | 5 |  | 5 |
| Biostatistics | 6 |  | 6 |
| Chemistry | 20 |  | 20 |
| Histology and Embryology | 7 | 4 | 11 |
| Medical Biology | 30 |  | 30 |
| Medical Genetics | 1 |  | 1 |
| Medical History and Ethics | 10 |  | 10 |
| Pediatrics | 2 |  | 2 |
| Subtotal | 108 | 12 | 120 |
| PBL Module | 8 |  | 8 |
| TOTAL | 116 | 12 | 128 |
| ICP-1: First Aid & Communication Skills Courses | 9 | 9 | 18 |
| ICP-1: Computer Skills (Students’ Research Activity) | 6 | 6 | 12 |
| Medical English | 10 |  | 10 |
| **TOTAL** | **141** | **27** | **168** |

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| **NINE WEEK PROGRAM** | | |
|  | **THEORETICAL AND PRACTICAL SESSIONS** | **LECTURER(S)/TUTOR(S)** |
| **Week-1 (02 October - 06 October 2023)** | | |
| **Monday** | **02 October** |  |
| 08:40-09:30 | **D-1 AÇILIŞ** |  |
| 09:40-10:30 |  |
| 10:40-11:30 |  |
| 11:40-12:30 |  |  |
|  |  |  |
| 13:40-14:30 | Campus Orientation |  |
| 14:40-15:30 | Campus Orientation |  |
| 15:40-16:30 | Campus Orientation |  |
| 16:40-17:30 | Campus Orientation |  |
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| **Tuesday** | **03 October** |  |
| 08:40-09:30 | Introduction to the course | Dr.Erdi Sözen |
| 09:40-10:30 | Origin of life | Dr. Can Erzik |
| 10:40-11:30 | Molecular recognition process | Dr. Can Erzik |
| 11:40-12:30 | Nucleic acids | Dr. Mustafa Akkiprik |
|  |  |  |
| 13:40-14:30 | Biomolecules and water | Dr. Önder Şirikçi |
| 14:40-15:30 | Biomolecules and water | Dr. Önder Şirikçi |
| 15:40-16:30 | Cellular organisation of life | Dr. İrem Peker Eyüboğlu |
| 16:40-17:30 | Cellular organisation of life | Dr. İrem Peker Eyüboğlu |
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| **Wednesday** | **04 October** |  |
| 08:40-09:30 | Solubility, pH and buffers | Dr. Önder Şirikçi |
| 09:40-10:30 | Solubility, pH and buffers | Dr. Önder Şirikçi |
| 10:40-11:30 | Microscope | Dr. Serap Şirvancı |
| 11:40-12:30 | Microscope | Dr. Serap Şirvancı |
|  |  |  |
| 13:40-14:30 | Nucleus and nuclear genome | Dr. Fatih Eren |
| 14:40-15:30 | Introduction to organic chemistry | Dr. Yeşim Talman |
| 15:40-16:30 | Chemical compounds | Dr. Yeşim Talman |
| 16:40-17:30 |  |  |
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| **Thursday** | **05 October** |  |
| 08:40-09:30 | Genes and heredity | Dr. Gökçe Güllü Amuran |
| 09:40-10:30 | Cell division kinetics | Dr. Mustafa Akkiprik |
| 10:40-11:30 | Atoms and atomic theory, atomic properties and periodic table | Dr. Yeşim Talman |
| 11:40-12:30 | Chemical bonds: ionic and covalent | Dr. Yeşim Talman |
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| 13:40-14:30 | Amino acids | Dr. Önder Şirikçi |
| 14:40-15:30 | Amino acids | Dr. Önder Şirikçi |
| 15:40-16:30 | Introduction to ICP (Introduction to Clinical Practice) | Dr. Gülru Pemra Ünalan |
| 16:40-17:30 | Program flow of ICP-1 | Dr. Sinem Yıldız İnanıcı |
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| **Friday** | **06 October** |  |
| 08:40-09:30 | ICP-1: First Aid - Introduction to Student Research and Computer Skills | Computer Lab. |
| 09:40-10:30 | ICP-1: First Aid - Introduction to Student Research and Computer Skills | Computer Lab. |
| 10:40-11:30 | ICP-1: First Aid - Communication Skills and Introduction to Medical Interview | Dr. Mehmet Ali Gülpınar |
| 11:40-12:30 | ICP-1: First Aid - Communication Skills and Introduction to Medical Interview | Dr. Mehmet Ali Gülpınar |
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| 13:40-14:30 |  |  |
| 14:40-15:30 | Introduction to Student Research and Computer Skills | Dr. Can Erzik |
| 15:40-16:30 | Introduction to Student Research and Computer Skills | Dr. Can Erzik |
| 16:40-17:30 | Cell cycle | Dr. Mustafa Akkiprik |
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| **Week-2 (09 October - 13 October 2023)** | | |
| **Monday** | **09 October** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | PBL Orientation |  |
| 10:40-11:30 | PBL Orientation |  |
| 11:40-12:30 | PBL Orientation |  |
|  |  |  |
| 13:40-14:30 | Chemical reactions and equilibrium | Dr. Yeşim Talman |
| 14:40-15:30 | Chemical reactions and equilibrium | Dr. Yeşim Talman |
| 15:40-16:30 | Mitosis | Dr. İrem Peker Eyüboğlu |
| 16:40-17:30 | Meiosis | Dr. İrem Peker Eyüboğlu |
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| **Tuesday** | **10 October** |  |
| 08:40-09:30 | Structure of nucleic acids | Dr.Erdi Sözen |
| 09:40-10:30 | DNA replication | Dr. İrem Peker Eyüboğlu |
| 10:40-11:30 | DNA replication | Dr. İrem Peker Eyüboğlu |
| 11:40-12:30 | RNA synthesis and processing | Dr. Fatih Eren |
|  |  |  |
| 13:40-14:30 | Introduction to biophysics | Dr. Pınar Mega Tiber |
| 14:40-15:30 | Fundamentals of biomechanics | Dr. Pınar Mega Tiber |
| 15:40-16:30 | Histotechniques | Dr. Serap Şirvancı |
| 16:40-17:30 |  |  |
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| **Wednesday** | **11 October** |  |
| 08:40-09:30 | **Y2C1 SINAV** |  |
| 09:40-10:30 |  |
| 10:40-11:30 |  |
| 11:40-12:30 |  |
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| 13:40-14:30 | Cellular organels and inclusions at LM and EM level | Dr. Feriha Ercan |
| 14:40-15:30 | Cellular organels and inclusions at LM and EM level | Dr. Feriha Ercan |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
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| **Thursday** | **12 October** |  |
| 08:40-09:30 | **Y3C1 SINAV** |  |
| 09:40-10:30 |  |
| 10:40-11:30 |  |
| 11:40-12:30 |  |
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| 13:40-14:30 | What is statistics and biostatistics? | Dr. Emrah Gökay Özgür |
| 14:40-15:30 | Statistics in medical research | Dr. Emrah Gökay Özgür |
| 15:40-16:30 | Structure of carbohydrates | Dr. Önder Şirikçi |
| 16:40-17:30 | Structure of carbohydrates | Dr. Önder Şirikçi |
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| **Friday** | **13 October** |  |
| 08:40-09:30 | ICP-1: First Aid - Communication Skills and Introduction to Medical Interview |  |
| 09:40-10:30 | ICP-1: First Aid - Communication Skills and Introduction to Medical Interview | Dr. Mehmet Ali Gülpınar |
| 10:40-11:30 | ICP-1: First Aid - Communication Skills and Introduction to Medical Interview | Dr. Mehmet Ali Gülpınar |
| 11:40-12:30 | ICP-1: First Aid - Communication Skills and Introduction to Medical Interview | Dr. Mehmet Ali Gülpınar |
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| 13:40-14:30 |  |  |
| 14:40-15:30 | Protein synthesis | Dr. Fatih Eren |
| 15:40-16:30 | Protein synthesis | Dr. Fatih Eren |
| 16:40-17:30 | Protein structure and function-1 | Dr. Betül Yılmaz |
| 17:40-18:30 | Protein structure and function-1 | Dr. Betül Yılmaz |
| **Week-3 (16 October - 20 October 2023)** | | |
| **Monday** | **16 October** |  |
| 08:40-09:30 | Protein structure and function-2 | Dr. Betül Yılmaz |
| 09:40-10:30 | Protein structure and function-2 | Dr. Betül Yılmaz |
| 10:40-11:30 | Nucleus and cell division | Dr. Feriha Ercan |
| 11:40-12:30 | Nucleus and cell division | Dr. Feriha Ercan |
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| 13:40-14:30 | Acids and bases | Dr. Yeşim Talman |
| 14:40-15:30 | Acids and bases | Dr. Yeşim Talman |
| 15:40-16:30 | Elective course |  |
| 16:40-17:30 | Elective course |  |
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| **Tuesday** | **17 October** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 | Structure of lipids | Dr. Goncagül Haklar |
| 11:40-12:30 | Structure of lipids | Dr. Goncagül Haklar |
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| 13:40-14:30 | Chemical kinetics and reaction mechanisms | Dr. Yeşim Talman |
| 14:40-15:30 | Chemical kinetics and reaction mechanisms | Dr. Yeşim Talman |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
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| **Wednesday** | **18 October** |  |
| 08:40-09:30 | Introduction to history of medicine | Dr. Gürkan Sert |
| 09:40-10:30 | Introduction to human genetics | Dr. Can Erzik |
| 10:40-11:30 | Medical English | Dr. Özge Emre |
| 11:40-12:30 | Medical English | Dr. Özge Emre |
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| 13:40-14:30 | Factors affecting single-gene inheritance patterns | Dr. Can Erzik |
| 14:40-15:30 | Thermochemistry (chemical energetics) | Dr. Yeşim Talman |
| 15:40-16:30 | Thermochemistry (chemical energetics) | Dr. Yeşim Talman |
| 16:40-17:30 |  |  |
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| **Thursday** | **19 October** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Designing research | Dr. Emrah Gökay Özgür |
| 10:40-11:30 | Types of data | Dr. Emrah Gökay Özgür |
| 11:40-12:30 | Information content of DNA | Dr. Cevdet Nacar |
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| 13:40-14:30 | Viruses, plasmids, transposable genetic elements | Dr. Gökçe Güllü Amuran |
| 14:40-15:30 | Solubility and complex ion equilibrium | Dr. Yeşim Talman |
| 15:40-16:30 | Solubility and complex ion equilibrium | Dr. Yeşim Talman |
| 16:40-17:30 |  |  |
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| **Friday** | **20 October** |  |
| 08:40-09:30 | ICP-1: First Aid - Communication Skills and Introduction to Medical Interview | ICP Lab. |
| 09:40-10:30 | ICP-1: First Aid - Communication Skills and Introduction to Medical Interview | ICP Lab. |
| 10:40-11:30 | ICP-1: First Aid - Communication Skills and Introduction to Medical Interview | ICP Lab. |
| 11:40-12:30 | ICP-1: First Aid - Communication Skills and Introduction to Medical Interview | Dr. Çiğdem Özpolat |
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| 13:40-14:30 |  |  |
| 14:40-15:30 | Recombination | Dr. Can Erzik |
| 15:40-16:30 | Genetic variation in populations | Dr. Can Erzik |
| 16:40-17:30 |  |  |
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| **Week-4 (23 October - 27 October 2023)** | | |
| **Monday** | **23 October** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 | Fundamentals of biomechanics | Dr. Pınar Mega Tiber |
| 11:40-12:30 | Energy, heat, work and power of the body | Dr. Pınar Mega Tiber |
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| 13:40-14:30 | PBL-1 |  |
| 14:40-15:30 | PBL-1 |  |
| 15:40-16:30 | Elective course |  |
| 16:40-17:30 | Elective course |  |
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| **Tuesday** | **24 October** |  |
| 08:40-09:30 | Enzymes: Introduction | Dr. Betül Yılmaz |
| 09:40-10:30 | Enzymes: Introduction | Dr. Betül Yılmaz |
| 10:40-11:30 | Mutations and polymorphisms | Dr. Fatih Eren |
| 11:40-12:30 | DNA Repair | Dr. Mustafa Akkiprik |
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| 13:40-14:30 | Electrochemistry: oxidation and reduction | Dr. Yeşim Talman |
| 14:40-15:30 | Electrochemistry: oxidation and reduction | Dr. Yeşim Talman |
| 15:40-16:30 | STUDY FREE TIME |  |
| 16:40-17:30 |  |  |
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| **Wednesday** | **25 October** |  |
| 08:40-09:30 | Enzymes: Mechanism of action | Dr. Ayşe Mine Yılmaz |
| 09:40-10:30 | Enzymes: Mechanism of action | Dr. Ayşe Mine Yılmaz |
| 10:40-11:30 | Medical English | Dr. Özge Emre |
| 11:40-12:30 | Medical English | Dr. Özge Emre |
|  |  |  |
| 13:40-14:30 | Cytogenetics | Dr. Bilgen Bilge Geçkinli |
| 14:40-15:30 | Molecular transmission of genetic information | Dr. Erdi Sözen |
| 15:40-16:30 | Molecular transmission of genetic information | Dr. Erdi Sözen |
| 16:40-17:30 |  |  |
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| **Thursday** | **26 October** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Chromosome structure, function and anomalies | Dr. Gökçe Güllü Amuran |
| 10:40-11:30 | Enzymes: Regulation | Dr. Betül Yılmaz |
| 11:40-12:30 | Enzymes: Regulation | Dr. Betül Yılmaz |
|  |  |  |
| 13:40-14:30 | PBL Study Time |  |
| 14:40-15:30 | PBL-2 |  |
| 15:40-16:30 | PBL-2 |  |
| 16:40-17:30 |  |  |
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| **Friday** | **27 October** |  |
| 08:40-09:30 | ICP-1: First Aid - Communication Skills and Introduction to Medical Interview | ICP Lab. |
| 09:40-10:30 | ICP-1: First Aid - Communication Skills and Introduction to Medical Interview | ICP Lab. |
| 10:40-11:30 | ICP-1: First Aid - Communication Skills and Introduction to Medical Interview | ICP Lab. |
| 11:40-12:30 | ICP-1: First Aid - Communication Skills and Introduction to Medical Interview | Dr. Çiğdem Özpolat |
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| 13:40-14:30 |  |  |
| 14:40-15:30 | Posttranscriptional and posttranslational modifications | Dr. Erdi Sözen |
| 15:40-16:30 | Posttranscriptional and posttranslational modifications | Dr. Erdi Sözen |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
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| **Week-5 (30 October - 03 November 2023)** | | |
| **Monday** | **30 October** |  |
| 08:40-09:30 | Histology LAB: Cell types - Group A | Multidisciplinary Lab. |
| 09:40-10:30 | Histology LAB: Cell types - Group A | Multidisciplinary Lab. |
| 10:40-11:30 | Histology LAB: Cell types - Group B | Multidisciplinary Lab. |
| 11:40-12:30 | Histology LAB: Cell types - Group B | Multidisciplinary Lab. |
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| 13:40-14:30 | PBL-3 |  |
| 14:40-15:30 | PBL-3 |  |
| 15:40-16:30 | Elective course |  |
| 16:40-17:30 | Elective course |  |
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| **Tuesday** | **31 October** |  |
| 08:40-09:30 | Histology LAB: Cell division - Group A | Multidisciplinary Lab. |
| 09:40-10:30 | Histology LAB: Cell division - Group A | Multidisciplinary Lab. |
| 10:40-11:30 | Histology LAB: Cell division - Group B | Multidisciplinary Lab. |
| 11:40-12:30 | Histology LAB: Cell division - Group B | Multidisciplinary Lab. |
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| 13:40-14:30 | Describing the data with graphics | Dr. Emrah Gökay Özgür |
| 14:40-15:30 | Describing the data with numbers | Dr. Emrah Gökay Özgür |
| 15:40-16:30 | Structure of proteins | Dr. Yeşim Talman |
| 16:40-17:30 | High energy compounds | Dr. Yeşim Talman |
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| **Wednesday** | **01 November** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Cell death and molecular mechanisms | Dr. Mustafa Akkiprik |
| 10:40-11:30 | Medical English | Dr. Özge Emre |
| 11:40-12:30 | Medical English | Dr. Özge Emre |
|  |  |  |
| 13:40-14:30 | History of Anatomy | Dr. Orhan Önder |
| 14:40-15:30 | Turning points in History of Medicine | Dr. Maide Barış |
| 15:40-16:30 | Turning points in History of Medicine | Dr. Maide Barış |
| 16:40-17:30 |  |  |
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| **Thursday** | **02 November** |  |
| 08:40-09:30 | Biochemistry LAB: Spectrophotometer - Group A | Multidisciplinary Lab. |
| 09:40-10:30 | Biochemistry LAB: Spectrophotometer - Group A | Multidisciplinary Lab. |
| 10:40-11:30 | Biochemistry LAB: Spectrophotometer - Group A | Multidisciplinary Lab. |
| 11:40-12:30 | Biochemistry LAB: Spectrophotometer - Group A | Multidisciplinary Lab. |
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| 13:40-14:30 | PBL Study Time |  |
| 14:40-15:30 | PBL-4 |  |
| 15:40-16:30 | PBL-4 |  |
| 16:40-17:30 |  |  |
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| **Friday** | **03 November** |  |
| 08:40-09:30 | ICP-1: First Aid |  |
| 09:40-10:30 | ICP-1: First Aid |  |
| 10:40-11:30 | ICP-1: First Aid - Communication Skills and Introduction to Medical Interview | Dr. Mehmet Ali Gülpınar |
| 11:40-12:30 | ICP-1: First Aid - Communication Skills and Introduction to Medical Interview | Dr. Mehmet Ali Gülpınar |
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| 13:40-14:30 |  |  |
| 14:40-15:30 | Introduction to Student Research and Computer Skills | Dr. Sinem Yıldız İnanıcı |
| 15:40-16:30 | Introduction to Student Research and Computer Skills | Dr. Sinem Yıldız İnanıcı |
| 16:40-17:30 |  |  |
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| **Week-6 (06 November - 10 November 2023)** | | |
| **Monday** | **06 November** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Multifactorial inheritance | Dr. Can Erzik |
| 10:40-11:30 | Mechanism of signal transduction | Dr. Erdi Sözen |
| 11:40-12:30 | Mechanism of signal transduction | Dr. Erdi Sözen |
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| 13:40-14:30 | Structure of lipids | Dr. Yeşim Talman |
| 14:40-15:30 | Structure of carbohydrates | Dr. Yeşim Talman |
| 15:40-16:30 | Elective course |  |
| 16:40-17:30 | Elective course |  |
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| **Tuesday** | **07 November** |  |
| 08:40-09:30 | Biochemistry LAB: Spectrophotometer - Group B | Multidisciplinary Lab. |
| 09:40-10:30 | Biochemistry LAB: Spectrophotometer - Group B | Multidisciplinary Lab. |
| 10:40-11:30 | Biochemistry LAB: Spectrophotometer - Group B | Multidisciplinary Lab. |
| 11:40-12:30 | Biochemistry LAB: Spectrophotometer - Group B | Multidisciplinary Lab. |
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| 13:40-14:30 | Regulation of gene expression | Dr. İrem Peker Eyüboğlu |
| 14:40-15:30 | Regulation of gene expression | Dr. İrem Peker Eyüboğlu |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
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| **Wednesday** | **08 November** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Molecular basis of disease | Dr. Mustafa Akkiprik |
| 10:40-11:30 | Medical English | Dr. Özge Emre |
| 11:40-12:30 | Medical English | Dr. Özge Emre |
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| 13:40-14:30 | Biochemistry LAB: Urease - Group A | Multidisciplinary Lab. |
| 14:40-15:30 | Biochemistry LAB: Urease - Group A | Multidisciplinary Lab. |
| 15:40-16:30 | Biochemistry LAB: Urease - Group A | Multidisciplinary Lab. |
| 16:40-17:30 | Biochemistry LAB: Urease - Group A | Multidisciplinary Lab. |
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| **Thursday** | **09 November** |  |
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| 08:40-09:30 | Biochemistry LAB: Urease - Group B | Multidisciplinary Lab. |
| 09:40-10:30 | Biochemistry LAB: Urease - Group B | Multidisciplinary Lab. |
| 10:40-11:30 | Biochemistry LAB: Urease - Group B | Multidisciplinary Lab. |
| 11:40-12:30 | Biochemistry LAB: Urease - Group B | Multidisciplinary Lab. |
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| 13:40-14:30 | History of Physiology | Dr. Orhan Önder |
| 14:40-15:30 | History of Medicine in Seljukid and Ottoman Ages | Dr. Maide Barış |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
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| **Friday** | **10 November** |  |
| 08:40-09:30 | ICP-1: First Aid - Communication Skills and Introduction to Medical Interview | ICP Lab. |
| 09:40-10:30 | ICP-1: First Aid - Communication Skills and Introduction to Medical Interview | ICP Lab. |
| 10:40-11:30 | ICP-1: First Aid - Communication Skills and Introduction to Medical Interview | ICP Lab. |
| 11:40-12:30 | ICP-1: First Aid - Communication Skills and Introduction to Medical Interview | Dr. Çiğdem Özpolat |
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| 13:40-14:30 |  |  |
| 14:40-15:30 | Introduction to Student Research and Computer Skills-Self study/Research consultation |  |
| 15:40-16:30 | Introduction to Student Research and Computer Skills-Self study/Research consultation |  |
| 16:40-17:30 | Introduction to Student Research and Computer Skills-Self study/Research consultation |  |
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| **Week-7 (13 November - 17 November 2023)** | | |
| **Monday** | **13 November** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Evolution of the concept of infection | Dr. Orhan Önder |
| 10:40-11:30 | History of surgery | Dr. Orhan Önder |
| 11:40-12:30 | History of Medicine in Turkish Republic | Dr. Maide Barış |
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| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 | Elective course |  |
| 16:40-17:30 | Elective course |  |
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| **Tuesday** | **14 November** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 | Detection of nucleic acids | Dr. Gökçe Güllü Amuran |
| 11:40-12:30 | Tools of cell biology | Dr. Gökçe Güllü Amuran |
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| 13:40-14:30 | History of human experimentation | Dr. Maide Barış |
| 14:40-15:30 | History of medical professionalism | Dr. Orhan Önder |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
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| **Wednesday** | **15 November** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 | Medical English | Dr. Özge Emre |
| 11:40-12:30 | Medical English | Dr. Özge Emre |
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| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
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| **Thursday** | **16 November** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 |  |  |
| 11:40-12:30 |  |  |
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| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
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| **Friday** | **17 November** |  |
| 08:40-09:30 | ICP-1: First Aid |  |
| 09:40-10:30 | ICP-1: First Aid |  |
| 10:40-11:30 | ICP-1: First Aid - Communication Skills and Introduction to Medical Interview | Dr. Sinem Yıldız İnanıcı |
| 11:40-12:30 | ICP-1: First Aid - Communication Skills and Introduction to Medical Interview | Dr. Sinem Yıldız İnanıcı |
|  |  |  |
| 13:40-14:30 | Introduction to Student Research and Computer Skills-Self study/Research consultation |  |
| 14:40-15:30 | Introduction to Student Research and Computer Skills-Self study/Research consultation |  |
| 15:40-16:30 | Introduction to Student Research and Computer Skills-Self study/Research consultation |  |
| 16:40-17:30 |  |  |
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| **Week-8 (20 November - 24 November 2023)** | | |
| **Monday** | **20 November** |  |
| 08:40-09:30 | **PRACTICAL EXAM** |  |
| 09:40-10:30 |  |
| 10:40-11:30 |  |
| 11:40-12:30 |  |
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| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 | Elective course |  |
| 16:40-17:30 | Elective course |  |
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| **Tuesday** | **21 November** |  |
| 08:40-09:30 | **PRACTICAL EXAM** |  |
| 09:40-10:30 |  |
| 10:40-11:30 |  |
| 11:40-12:30 |  |
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| 13:40-14:30 |  |
| 14:40-15:30 |  |
| 15:40-16:30 |  |
| 16:40-17:30 |  |
| 17:40-18:30 |  |
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| **Wednesday** | **22 November** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 |  |  |
| 11:40-12:30 |  |  |
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| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
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| **Thursday** | **23 November** |  |
| 08:40-09:30 | **Y1C1 COMMITTEE EXAM** |  |
| 09:40-10:30 |  |
| 10:40-11:30 |  |
| 11:40-12:30 |  |
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| 13:40-14:30 |  |
| 14:40-15:30 |  |
| 15:40-16:30 |  |
| 16:40-17:30 |  |
| 17:40-18:30 |  |
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| **Friday** | **24 November** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 |  |  |
| 11:40-12:30 |  |  |
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| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
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