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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 1September 30 – November 28, 2019 |
| **Coordinator of the Course 1.1**Assoc. Prof., Bilgen Bilge GEÇKİNLİ  | **Coordinator of the Module 1.1**Assist. Prof., Can ERZİK |
| **Year 1 Coordinators** Assoc. Prof., Dilek AKAKIN & Prof., Mustafa AKKİPRİK |
| **Module Coordinator**Prof., Özlem SARIKAYA | **Introduction to Clinical Practice (ICP) Coordinator**Prof., Pemra ÜNALAN & Prof., Serap ÇİFÇİLİ |
| **Coordinator of Multidisciplinary Students’ Lab**.Assoc. Prof., Betül KARADEMİR | **Coordinator of Clinical Skills Lab.**Assoc. Prof., Çiğdem APAYDIN |
|  **Coordinator of Assessment Unite**Assist. Prof., Cevdet NACAR | **Coordinator of Student Exchange Programs**Assist. Prof., Can ERZİK |
| **Vice-Chief Coordinators** |
| **Program**Prof., Oya ORUN | **Assessment** Assoc. 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., Ümit Süleyman ŞEHİRLİ | **Dean** Prof., Hakan GÜNDÜZ |

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| MU MEDICAL SCHOOL PRE-CLINICAL EDUCATION PROGRAM |
| LEARNING OUTCOMES / COMPETENCIES1. 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 OBJECTIVES1. 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.
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| PHASES – 1 THEMA/ORGAN SYSTEM-BASED COURSE PROGRAMSYear 1, Course 1: Introduction to Cell and Cellular ReplicationYear 1, Course 2: Cellular Metabolism and TransportYear 1, Course 3: Development and Organization of Human BodyYear 1, Course 4: Introduction to Nervous System and Human BehaviorYear 2, Course 1: Cell and Tissue Injury I Year 2, Course 2: Cell and Tissue Injury IIYear 2, Course 3: Hematopoietic System and Related DisordersYear 2, Course 4: Musculoskeletal, Integumentary Systems and Related DisordersYear 2, Course 5: Respiratory System and Related DisordersYear 3, Course 1: Cardiovascular System and Related DisordersYear 3, Course 2: Gastrointestinal System, Metabolism and Related DisordersYear 3, Course 3: Nervous System and Related DisordersYear 3, Course : Growth, Development, Mental Health and Related DisordersYear 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
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| **ASSESSMENT SYSTEM**Module examination: Written exam at the end of module (10 % of final score)Practical examination: Practical exams at the end of courseCourse 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 BiologyGülnaz Nural BEKİROĞLU, Professor of BiostatisticsElif DAĞLI, Professor of PediatricsÖzge EMRE, Instructor of Medical EnglishFeriha ERCAN, Professor of Histology&EmbryologyFatih EREN, Assoc. Professor of Medical Biology Can ERZİK, Assist. Professor of Medical BiologyBilgen Bilge GEÇKİNLİ, Assoc. Professor of Medical GeneticsŞefik GÖRKEY, Professor of Medical History and EthicsGoncagül HAKLAR, Professor of BiochemistryBetül KARADEMİR, Assoc. Professor of Biochemistry | Nesrin KARTAL ÖZER, Professor of BiochemistryCevdet NACAR, Assist. Professor of BiophysicsOya ORUN, Professor of BiophysicsSıdıka Ayşe ÖZER, Professor of Medical BiologyÖzlem SARIKAYA, Professor of Medical EducationÖnder ŞİRİKÇİ, Professor of BiochemistrySerap ŞİRVANCI, Professor of Histology&EmbryologyYeşim TALMAN, Assoc. Professor of Basic Pharmaceutical SciencesAhmet Suha YALÇIN, Professor of BiochemistrySinem YILDIZ İNANICI, Assist. Professor of Medical Education |
| 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 | 4 |  | 4 |
| Biostatistics | 6 |  | 6 |
| Chemistry | 20 |  | 20 |
| Histology and Embryology  | 7 | 4 | 11 |
| Medical Biology | 34 |  | 34 |
| Medical Genetics | 1 |  | 1 |
| Medical History and Ethics | 12 |  | 12 |
| Pediatrics | 2 |  | 2 |
| Subtotal | 111 | 12 | 123 |
| PBL Module | 8 |  | 8 |
| TOTAL | 118 | 12 | 130 |
| 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** |  **144**  | **27** | **171** |

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| **NINE WEEK PROGRAM** |
|  | **THEORETICAL AND PRACTICAL SESSIONS** | **LECTURER(S)/TUTOR(S)** |
| **Week-1 (30 September - 04 October 2019)** |
| **Monday** | **30 September** |  |
| 08:45-09:30 | Opening Ceremony |  |
| 09:30-09:35 |  |  |
| 09:45-10:30 | Opening Ceremony |  |
| 10:30-10:35 |  |  |
| 10:45-11:30 | Opening Ceremony |  |
| 11:30-11:35 |  |  |
| 11:45-12:30 | Opening Ceremony |  |
| 12:30-12:35 |  |  |
|  |  |  |
| 13:45-14:30 | Campus Orientation |  |
| 14:30-14:35 |  |  |
| 14:45-15:30 | Campus Orientation |  |
| 15:30-15:35 |  |  |
| 15:45-16:30 |  |  |
| 16:30-16:35 |  |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
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| **Tuesday** | **01 October** |  |
| 08:45-09:30 |  |  |
| 09:30-09:35 |  |  |
| 09:45-10:30 |  |  |
| 10:30-10:35 |  |  |
| 10:45-11:30 | Introduction to the course | Dr. Bilgen Bilge Geçkinli |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | The impact of Haydarpaşa Campus in Turkish Medical History | Dr. Şefik Görkey |
| 12:30-12:35 | Discussion |  |
|  |  |  |
| 13:45-14:30 | Origin of life | Dr. Can Erzik |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | Molecular recognition process | Dr. Can Erzik |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 | Introduction to ICP (Introduction to Clinical Practice) | Dr. Sinem Yıldız İnanıcı |
| 16:30-16:35 | Discussion |  |
| 16:45-17:30 | Introduction to ICP (Introduction to Clinical Practice) | Dr. Sinem Yıldız İnanıcı |
| 17:30-17:35 | Discussion |  |
|  |  |  |
| **Wednesday** | **02 October** |  |
| 08:45-09:30 |  |  |
| 09:30-09:35 |  |  |
| 09:45-10:30 |  |  |
| 10:30-10:35 |  |  |
| 10:45-11:30 | Medical English | Dr. Özge Emre |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | Medical English | Dr. Özge Emre |
| 12:30-12:35 | Discussion |  |
|  |  |  |
| 13:45-14:30 | Introduction to organic chemistry | Dr. Yeşim Talman |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | Chemical compounds | Dr. Yeşim Talman |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 |  |  |
| 16:30-16:35 |  |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
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| **Thursday** | **03 October** |  |
| 08:45-09:30 |  |  |
| 09:30-09:35 |  |  |
| 09:45-10:30 |  |  |
| 10:30-10:35 |  |  |
| 10:45-11:30 | Atoms and atomic theory, atomic properties and periodic table | Dr. Yeşim Talman |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | Chemical bonds: ionic and covalent | Dr. Yeşim Talman |
| 12:30-12:35 | Discussion |  |
|  |  |  |
| 13:45-14:30 | PBL Orientation | Dr. Özlem Sarıkaya |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | PBL Orientation | Dr. Özlem Sarıkaya |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 | PBL Orientation | Dr. Özlem Sarıkaya |
| 16:30-16:35 | Discussion |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
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| **Friday** | **04 October** |  |
| 08:45-09:30 | ICP-1 Medical asepsis and precautions to take in healthcare facilities | ICP Lab. |
| 09:30-09:35 | Discussion |  |
| 09:45-10:30 | ICP-1 Medical asepsis and precautions to take in healthcare facilities | ICP Lab. |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 | ICP-1 Medical asepsis and precautions to take in healthcare facilities | ICP Lab. |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | ICP-1 Medical asepsis and precautions to take in healthcare facilities | ICP Lab. |
| 12:30-12:35 | Discussion |  |
|  |  |  |
| 13:45-14:30 |  |  |
| 14:30-14:35 |  |  |
| 14:45-15:30 | Cellular organisation of life | Dr. Sıdıka Ayşe Özer |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 | Cellular organisation of life | Dr. Sıdıka Ayşe Özer |
| 16:30-16:35 | Discussion |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
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| **Week-2 (07 October - 11 October 2019)** |
| **Monday** | **07 October** |  |
| 08:45-09:30 |  |  |
| 09:30-09:35 |  |  |
| 09:45-10:30 | Nucleic acids | Dr. Mustafa Akkiprik |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 | Chemical reactions and equilibrium | Dr. Yeşim Talman |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | Chemical reactions and equilibrium | Dr. Yeşim Talman |
| 12:30-12:35 | Discussion |  |
|  |  |  |
| 13:45-14:30 | Elective course |  |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | Elective course |  |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 |  |  |
| 16:30-16:35 |  |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
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| **Tuesday** | **08 October** |  |
| 08:45-09:30 |  |  |
| 09:30-09:35 |  |  |
| 09:45-10:30 |  |  |
| 10:30-10:35 |  |  |
| 10:45-11:30 | Biomolecules and water | Dr. Önder Şirikçi |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | Biomolecules and water | Dr. Önder Şirikçi |
| 12:30-12:35 | Discussion |  |
|  |  |  |
| 13:45-14:30 | Nucleus and nuclear genome | Dr. Sıdıka Ayşe Özer |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | Turning points in History of Medicine | Dr. Şefik Görkey |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 | Turning points in History of Medicine | Dr. Şefik Görkey |
| 16:30-16:35 | Discussion |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
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| **Wednesday** | **09 October** |  |
| 08:45-09:30 |  |  |
| 09:30-09:35 |  |  |
| 09:45-10:30 |  |  |
| 10:30-10:35 |  |  |
| 10:45-11:30 | Medical English | Dr. Özge Emre |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | Medical English | Dr. Özge Emre |
| 12:30-12:35 | Discussion |  |
|  |  |  |
| 13:45-14:30 | Solubility, pH and buffers | Dr. Önder Şirikçi |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | Solubility, pH and buffers | Dr. Önder Şirikçi |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 |  |  |
| 16:30-16:35 |  |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
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| **Thursday** | **10 October** |  |
| 08:45-09:30 | Structure of nucleic acids | Dr. Nesrin Kartal Özer  |
| 09:30-09:35 | Discussion |  |
| 09:45-10:30 | Information content of DNA | Dr. Cevdet Nacar |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 | Genes and heredity | Dr. Sıdıka Ayşe Özer |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | Cell cycle | Dr. Sıdıka Ayşe Özer |
| 12:30-12:35 | Discussion |  |
|  |  |  |
| 13:45-14:30 | Acids and bases | Dr. Yeşim Talman |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | Acids and bases | Dr. Yeşim Talman |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 |  |  |
| 16:30-16:35 |  |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
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| **Friday** | **11 October** |  |
| 08:45-09:30 | ICP-1 Medical asepsis and precautions to take in healthcare facilities | ICP Lab. |
| 09:30-09:35 | Discussion |  |
| 09:45-10:30 | ICP-1 Medical asepsis and precautions to take in healthcare facilities | ICP Lab. |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 | ICP-1 Medical asepsis and precautions to take in healthcare facilities | ICP Lab. |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | ICP-1 Medical asepsis and precautions to take in healthcare facilities | ICP Lab. |
| 12:30-12:35 | Discussion |  |
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| 13:45-14:30 |  |  |
| 14:30-14:35 |  |  |
| 14:45-15:30 | Amino acids | Dr. Önder Şirikçi |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 | Amino acids | Dr. Önder Şirikçi |
| 16:30-16:35 | Discussion |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
|  |  |  |
| **Week-3 (14 October - 18 October 2019)** |
| **Monday** | **14 October** |  |
| 08:45-09:30 | History of Anatomy | Dr. Şefik Görkey |
| 09:30-09:35 | Discussion |  |
| 09:45-10:30 | History of Anatomy | Dr. Şefik Görkey |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 | Chemical kinetics and reaction mechanisms | Dr. Yeşim Talman |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | Chemical kinetics and reaction mechanisms | Dr. Yeşim Talman |
| 12:30-12:35 | Discussion |  |
|  |  |  |
| 13:45-14:30 | Elective course |  |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | Elective course |  |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 |  |  |
| 16:30-16:35 |  |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
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| **Tuesday** | **15 October** |  |
| 08:45-09:30 |  |  |
| 09:30-09:35 |  |  |
| 09:45-10:30 | Histotechhniques | Dr. Serap Şirvancı |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 | History of Physiology | Dr. Şefik Görkey |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | Evolution of the concept of infection | Dr. Şefik Görkey |
| 12:30-12:35 | Discussion |  |
|  |  |  |
| 13:45-14:30 | DNA replication | Dr. Sıdıka Ayşe Özer |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | DNA replication | Dr. Sıdıka Ayşe Özer |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 |  |  |
| 16:30-16:35 |  |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
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| **Wednesday** | **16 October** |  |
| 08:45-09:30 | Microscope | Dr. Serap Şirvancı |
| 09:30-09:35 | Discussion |   |
| 09:45-10:30 | Microscope | Dr. Serap Şirvancı |
| 10:30-10:35 | Discussion |   |
| 10:45-11:30 | Medical English | Dr. Özge Emre |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | Medical English | Dr. Özge Emre |
| 12:30-12:35 | Discussion |  |
|  |  |  |
| 13:45-14:30 | History of surgery  | Dr. Şefik Görkey |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | Thermochemistry (chemical energetics) | Dr. Yeşim Talman |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 | Thermochemistry (chemical energetics) | Dr. Yeşim Talman |
| 16:30-16:35 | Discussion |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
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| **Thursday** | **17 October** |  |
| 08:45-09:30 |  |  |
| 09:30-09:35 |  |  |
| 09:45-10:30 |  |  |
| 10:30-10:35 |  |  |
| 10:45-11:30 |  |  |
| 11:30-11:35 |  |  |
| 11:45-12:30 |  |  |
| 12:30-12:35 |  |  |
|  |  |  |
| 13:45-14:30 | RNA synthesis and processing | Dr. Fatih Eren |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | RNA synthesis and processing | Dr. Fatih Eren |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 | Protein structure and function-1 | Dr. Betül Karademir |
| 16:30-16:35 | Discussion |  |
| 16:45-17:30 | Protein structure and function-1 | Dr. Betül Karademir |
| 17:30-17:35 | Discussion |  |
|  |  |  |
| **Friday** | **18 October** |  |
| 08:45-09:30 |  |  |
| 09:30-09:35 |  |  |
| 09:45-10:30 |  |  |
| 10:30-10:35 |  |  |
| 10:45-11:30 | ICP-1 Student Research & Computer Skills | Computer Lab. |
| 11:30-11:35 | Discussion |   |
| 11:45-12:30 | ICP-1 Student Research & Computer Skills | Computer Lab. |
| 12:30-12:35 | Discussion |   |
|  |  |  |
| 13:45-14:30 |  |  |
| 14:30-14:35 |  |  |
| 14:45-15:30 | Protein structure and function-2 | Dr. Betül Karademir |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 | Protein structure and function-2 | Dr. Betül Karademir |
| 16:30-16:35 | Discussion |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
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| **Week-4 (21 October - 25 October 2019)** |
| **Monday** | **21 October** |  |
| 08:45-09:30 | Protein synthesis | Dr. Fatih Eren |
| 09:30-09:35 | Discussion |  |
| 09:45-10:30 | Protein synthesis | Dr. Fatih Eren |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 | Enzymes: Introduction | Dr. Ahmet Suha Yalçın |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | Enzymes: Introduction | Dr. Ahmet Suha Yalçın |
| 12:30-12:35 | Discussion |  |
|  |  |  |
| 13:45-14:30 | Elective course |  |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | Elective course |  |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 |  |  |
| 16:30-16:35 |  |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
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| **Tuesday** | **22 October** |  |
| 08:45-09:30 |  |  |
| 09:30-09:35 |  |  |
| 09:45-10:30 | Packaging chromosomal DNA | Dr. Fatih Eren |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 | Structure of carbohydrates | Dr. Önder Şirikçi |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | Structure of carbohydrates | Dr. Önder Şirikçi |
| 12:30-12:35 | Discussion |  |
|  |  |  |
| 13:45-14:30 | Cellular organels and inclusions at LM and EM level | Dr. Feriha Ercan |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | Cellular organels and inclusions at LM and EM level | Dr. Feriha Ercan |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 | ICP-1 Student Research & Computer Skills | Computer Lab. |
| 16:30-16:35 | Discussion |  |
| 16:45-17:30 | ICP-1 Student Research & Computer Skills | Computer Lab. |
| 17:30-17:35 | Discussion |  |
|  |  |  |
| **Wednesday** | **23 October** |  |
| 08:45-09:30 |  |  |
| 09:30-09:35 |  |  |
| 09:45-10:30 |  |  |
| 10:30-10:35 |  |  |
| 10:45-11:30 | Medical English | Dr. Özge Emre |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | Medical English | Dr. Özge Emre |
| 12:30-12:35 | Discussion |  |
|  |  |  |
| 13:45-14:30 | Cell division kinetics | Dr. Mustafa Akkiprik |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | PBL-1 |  |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 | PBL-1 |  |
| 16:30-16:35 | Discussion |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
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| **Thursday** | **24 October** |  |
| 08:45-09:30 |  |  |
| 09:30-09:35 |  |  |
| 09:45-10:30 | What is statistics and biostatistics? | Dr. Gülnaz Nural Bekiroğlu |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 | Statistics in medical research | Dr. Gülnaz Nural Bekiroğlu |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | History of human experimentation  | Dr. Şefik Görkey |
| 12:30-12:35 | Discussion |  |
|  |  |  |
| 13:45-14:30 | Mitosis | Dr. Mustafa Akkiprik |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | Meiosis | Dr. Mustafa Akkiprik |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 | Nucleus and cell division | Dr. Feriha Ercan |
| 16:30-16:35 | Discussion |  |
| 16:45-17:30 | Nucleus and cell division | Dr. Feriha Ercan |
| 17:30-17:35 | Discussion |  |
|  |  |  |
| **Friday** | **25 October** |  |
| 08:45-09:30 | ICP-1 Medication Administration Procedure | ICP Lab. |
| 09:30-09:35 | Discussion |  |
| 09:45-10:30 | ICP-1 Medication Administration Procedure | ICP Lab. |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 | ICP-1 Medication Administration Procedure | ICP Lab. |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | ICP-1 Medication Administration Procedure | ICP Lab. |
| 12:30-12:35 | Discussion |  |
|  |  |  |
| 13:45-14:30 | Study Time |  |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | PBL-2 |  |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 | PBL-2 |  |
| 16:30-16:35 | Discussion |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
|  |  |  |
| **Week-5 (28 October - 01 November 2019)** |
| **Monday** | **28 October** |  |
| 08:45-09:30 | Introduction to genetics | Dr. Can Erzik |
| 09:30-09:35 | Discussion |  |
| 09:45-10:30 | Fundamentals to Mendelian genetics | Dr. Can Erzik |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 | Enzymes: Mechanism of action | Dr. Ahmet Suha Yalçın |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | Enzymes: Mechanism of action | Dr. Ahmet Suha Yalçın |
| 12:30-12:35 | Discussion |  |
|  |  |  |
| 13:45-14:30 | **TATİL** |  |
| 14:30-14:35 |  |
| 14:45-15:30 |  |
| 15:30-15:35 |  |
| 15:45-16:30 |  |
| 16:30-16:35 |  |
| 16:45-17:30 |  |
| 17:30-17:35 |  |
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| **Tuesday** | **29 October** |  |
| 08:45-09:30 | **CUMHURİYET BAYRAMI** |  |
| 09:30-09:35 |  |
| 09:45-10:30 |  |
| 10:30-10:35 |  |
| 10:45-11:30 |  |
| 11:30-11:35 |  |
| 11:45-12:30 |  |
| 12:30-12:35 |  |
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| 13:45-14:30 |  |
| 14:30-14:35 |  |
| 14:45-15:30 |  |
| 15:30-15:35 |  |
| 15:45-16:30 |  |
| 16:30-16:35 |  |
| 16:45-17:30 |  |
| 17:30-17:35 |  |
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| **Wednesday** | **30 October** |  |
| 08:45-09:30 |  |  |
| 09:30-09:35 |  |  |
| 09:45-10:30 |  |  |
| 10:30-10:35 |  |  |
| 10:45-11:30 | Introduction to biophysics – I | Dr. Oya Orun |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | Introduction to biophysics – I | Dr. Oya Orun |
| 12:30-12:35 | Discussion |  |
|  |  |  |
| 13:45-14:30 | Study Time |  |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | PBL-3 |  |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 | PBL-3 |  |
| 16:30-16:35 | Discussion |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
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| **Thursday** | **31 October** |  |
| 08:45-09:30 | Biochemistry LAB: Spectrophotometer - Group A  | Multidisciplinary Lab. |
| 09:30-09:35 | Discussion |  |
| 09:45-10:30 | Biochemistry LAB: Spectrophotometer - Group A  | Multidisciplinary Lab. |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 | Biochemistry LAB: Spectrophotometer - Group A  | Multidisciplinary Lab. |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | Biochemistry LAB: Spectrophotometer - Group A  | Multidisciplinary Lab. |
| 12:30-12:35 | Discussion |  |
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| 13:45-14:30 | Designing research | Dr. Gülnaz Nural Bekiroğlu |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | Types of data | Dr. Gülnaz Nural Bekiroğlu |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 |  |  |
| 16:30-16:35 |  |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
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| **Friday** | **01 November** |  |
| 08:45-09:30 | Molecular transmission of genetic information | Dr. Nesrin Kartal Özer  |
| 09:30-09:35 | Discussion |  |
| 09:45-10:30 | Molecular transmission of genetic information | Dr. Nesrin Kartal Özer  |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 | ICP-1 Student Research & Computer Skills | Year 1 Hall |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | ICP-1 Student Research & Computer Skills | Year 1 Hall |
| 12:30-12:35 | Discussion |  |
|  |  |  |
| 13:45-14:30 | Study Time |  |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | PBL-4 |  |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 | PBL-4 |  |
| 16:30-16:35 | Discussion |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
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| **Week-6 (04 November - 08 November 2019)** |
| **Monday** | **04 November** |  |
| 08:45-09:30 | Mechanism of signal transduction | Dr. Nesrin Kartal Özer  |
| 09:30-09:35 | Discussion |  |
| 09:45-10:30 | Mechanism of signal transduction | Dr. Nesrin Kartal Özer  |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 | Enzymes: Regulation | Dr. Ahmet Suha Yalçın |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | Enzymes: Regulation | Dr. Ahmet Suha Yalçın |
| 12:30-12:35 | Discussion |  |
|  |  |  |
| 13:45-14:30 | Elective course |  |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | Elective course |  |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 |  |  |
| 16:30-16:35 |  |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
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| **Tuesday** | **05 November** |  |
| 08:45-09:30 | Viruses, plasmids, transposable genetic elements | Dr. Mustafa Akkiprik |
| 09:30-09:35 | Discussion |  |
| 09:45-10:30 | Population genetics | Dr. Can Erzik |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 | Introduction to biophysics – II | Dr. Oya Orun |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | Introduction to biophysics – II | Dr. Oya Orun |
| 12:30-12:35 | Discussion |  |
|  |  |  |
| 13:45-14:30 | Histology LAB: Cell types - Group A  | Multidisciplinary Lab. |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | Histology LAB: Cell types - Group A  | Multidisciplinary Lab. |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 | Histology LAB: Cell types - Group B  | Multidisciplinary Lab. |
| 16:30-16:35 | Discussion |  |
| 16:45-17:30 | Histology LAB: Cell types - Group B  | Multidisciplinary Lab. |
| 17:30-17:35 | Discussion |  |
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| **Wednesday** | **06 November** |  |
| 08:45-09:30 | ICP-1 Student Research & Computer Skills | Year 1 Hall |
| 09:30-09:35 | Discussion |  |
| 09:45-10:30 | ICP-1 Student Research & Computer Skills | Year 1 Hall |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 | Medical English | Dr. Özge Emre |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | Medical English | Dr. Özge Emre |
| 12:30-12:35 | Discussion |  |
|  |  |  |
| 13:45-14:30 | Recombination | Dr. Sıdıka Ayşe Özer |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | Solubility and complex ion equilibrium | Dr. Yeşim Talman |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 | Solubility and complex ion equilibrium | Dr. Yeşim Talman |
| 16:30-16:35 | Discussion |  |
| 16:45-17:30 | Mutations and polymorphisms | Dr. Fatih Eren |
| 17:30-17:35 | Discussion |  |
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| **Thursday** | **07 November** |  |
| 08:45-09:30 | Biochemistry LAB: Spectrophotometer - Group B  | Multidisciplinary Lab. |
| 09:30-09:35 | Discussion |  |
| 09:45-10:30 | Biochemistry LAB: Spectrophotometer - Group B  | Multidisciplinary Lab. |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 | Biochemistry LAB: Spectrophotometer - Group B  | Multidisciplinary Lab. |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | Biochemistry LAB: Spectrophotometer - Group B  | Multidisciplinary Lab. |
| 12:30-12:35 | Discussion |  |
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| 13:45-14:30 | History of medical professionalism | Dr. Şefik Görkey |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | Electrochemistry: oxidation and reduction | Dr. Yeşim Talman |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 | Electrochemistry: oxidation and reduction | Dr. Yeşim Talman |
| 16:30-16:35 | Discussion |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
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| **Friday** | **08 November** |  |
| 08:45-09:30 |  |  |
| 09:30-09:35 |  |  |
| 09:45-10:30 | History of Medicine in Seljukid and Ottoman Ages | Dr. Şefik Görkey |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 | ICP-1 Student Research & Computer Skills | Computer Lab. |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | ICP-1 Student Research & Computer Skills | Computer Lab. |
| 12:30-12:35 | Discussion |  |
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| 13:45-14:30 |  |  |
| 14:30-14:35 |  |  |
| 14:45-15:30 | Structure of lipids | Dr. Goncagül Haklar |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 | Structure of lipids | Dr. Goncagül Haklar |
| 16:30-16:35 | Discussion |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
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| **Week-7 (11 November - 15 November 2019)** |
| **Monday** | **11 November** |  |
| 08:45-09:30 | Chromosome structure, function and anomalies | Dr. Can Erzik |
| 09:30-09:35 | Discussion |  |
| 09:45-10:30 | Chromosome structure, function and anomalies | Dr. Can Erzik |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 | Regulation of gene expression | Dr. Sıdıka Ayşe Özer |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | Regulation of gene expression | Dr. Sıdıka Ayşe Özer |
| 12:30-12:35 | Discussion |  |
|  |  |  |
| 13:45-14:30 | Elective course |  |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | Elective course |  |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 | Structure of proteins | Dr. Yeşim Talman |
| 16:30-16:35 | Discussion |  |
| 16:45-17:30 | High energy compounds | Dr. Yeşim Talman |
| 17:30-17:35 | Discussion |  |
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| **Tuesday** | **12 November** |  |
| 08:45-09:30 | DNA Repair | Dr. Mustafa Akkiprik |
| 09:30-09:35 | Discussion |  |
| 09:45-10:30 | History of Medicine in Turkish Republic | Dr. Şefik Görkey |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 | Medical English | Dr. Özge Emre |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | Medical English | Dr. Özge Emre |
| 12:30-12:35 | Discussion |  |
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| 13:45-14:30 | Histology LAB: Cell division - Group A  | Multidisciplinary Lab. |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | Histology LAB: Cell division - Group A  | Multidisciplinary Lab. |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 | Histology LAB: Cell division - Group B  | Multidisciplinary Lab. |
| 16:30-16:35 | Discussion |  |
| 16:45-17:30 | Histology LAB: Cell division - Group B  | Multidisciplinary Lab. |
| 17:30-17:35 | Discussion |  |
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| **Wednesday** | **13 November** |  |
| 08:45-09:30 | ICP-1: First-Aid Course/ Medications administration procedures | ICP Lab. |
| 09:30-09:35 | Discussion |  |
| 09:45-10:30 | ICP-1: First-Aid Course/ Medications administration procedures | ICP Lab. |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 | ICP-1: First-Aid Course/ Medications administration procedures | ICP Lab. |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | ICP-1: First-Aid Course/ Medications administration procedures | ICP Lab. |
| 12:30-12:35 | Discussion |  |
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| 13:45-14:30 | ICP-1: First-Aid Course/ Medications administration procedures | ICP Lab. |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | ICP-1: First-Aid Course/ Medications administration procedures | ICP Lab. |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 | ICP-1: First-Aid Course/ Medications administration procedures | ICP Lab. |
| 16:30-16:35 | Discussion |  |
| 16:45-17:30 | ICP-1: First-Aid Course/ Medications administration procedures | ICP Lab. |
| 17:30-17:35 | Discussion |  |
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| **Thursday** | **14 November** |  |
| 08:45-09:30 | ICP-1: First-Aid Course  |  |
| 09:30-09:35 | Discussion |  |
| 09:45-10:30 | ICP-1: First-Aid Course  |  |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 | ICP-1: First-Aid Course  |  |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | ICP-1: First-Aid Course  |  |
| 12:30-12:35 | Discussion |  |
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| 13:45-14:30 | ICP-1: First-Aid Course  |  |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | ICP-1: First-Aid Course  |  |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 | ICP-1: First-Aid Course  |  |
| 16:30-16:35 | Discussion |  |
| 16:45-17:30 | ICP-1: First-Aid Course  |  |
| 17:30-17:35 | Discussion |  |
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| **Friday** | **15 November** |  |
| 08:45-09:30 | ICP-1: First-Aid Course  |  |
| 09:30-09:35 | Discussion |  |
| 09:45-10:30 | ICP-1: First-Aid Course  |  |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 | ICP-1: First-Aid Course  |  |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | ICP-1: First-Aid Course  |  |
| 12:30-12:35 | Discussion |  |
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| 13:45-14:30 | ICP-1: First-Aid Course  |  |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | ICP-1: First-Aid Course  |  |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 | ICP-1: First-Aid Course  |  |
| 16:30-16:35 | Discussion |  |
| 16:45-17:30 | ICP-1: First-Aid Course  |  |
| 17:30-17:35 | Discussion |  |
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| **Week-8 (18 November - 22 November 2019)** |
| **Monday** | **18 November** |  |
| 08:45-09:30 | Biochemistry LAB: Urease - Group A | Multidisciplinary Lab. |
| 09:30-09:35 | Discussion |  |
| 09:45-10:30 | Biochemistry LAB: Urease - Group A  | Multidisciplinary Lab. |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 | Biochemistry LAB: Urease - Group A  | Multidisciplinary Lab. |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | Biochemistry LAB: Urease - Group A  | Multidisciplinary Lab. |
| 12:30-12:35 | Discussion |  |
|  |  |  |
| 13:45-14:30 | Elective course |  |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | Elective course |  |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 |  |  |
| 16:30-16:35 |  |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
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| **Tuesday** | **19 November** |  |
| 08:45-09:30 | Detection of nucleic acids | Dr. Mustafa Akkiprik |
| 09:30-09:35 | Discussion |  |
| 09:45-10:30 | Tools of cell biology | Dr. Mustafa Akkiprik |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 |  |  |
| 11:30-11:35 |  |  |
| 11:45-12:30 |  |  |
| 12:30-12:35 |  |  |
|  |  |  |
| 13:45-14:30 | Biochemistry LAB: Urease - Group B  | Multidisciplinary Lab. |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | Biochemistry LAB: Urease - Group B  | Multidisciplinary Lab. |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 | Biochemistry LAB: Urease - Group B  | Multidisciplinary Lab. |
| 16:30-16:35 | Discussion |  |
| 16:45-17:30 | Biochemistry LAB: Urease - Group B  | Multidisciplinary Lab. |
| 17:30-17:35 | Discussion |  |
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| **Wednesday** | **20 November** |  |
| 08:45-09:30 |  |  |
| 09:30-09:35 |  |  |
| 09:45-10:30 |  |  |
| 10:30-10:35 |  |  |
| 10:45-11:30 | Medical English | Dr. Özge Emre |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | Medical English | Dr. Özge Emre |
| 12:30-12:35 | Discussion |  |
|  |  |  |
| 13:45-14:30 | Multifactorial inheritance | Dr. Can Erzik |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | Structure of lipids | Dr. Yeşim Talman |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 | Structure of carbohydrates | Dr. Yeşim Talman |
| 16:30-16:35 | Discussion |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
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| **Thursday** | **21 November** |  |
| 08:45-09:30 |  |  |
| 09:30-09:35 |  |  |
| 09:45-10:30 | Cytogenetics | Dr. Bilgen Bilge Geçkinli |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 | Cell death and molecular mechanisms | Dr. Mustafa Akkiprik |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | Molecular basis of disease | Dr. Mustafa Akkiprik |
| 12:30-12:35 | Discussion |  |
|  |  |  |
| 13:45-14:30 | Posttranscriptional and posttranslational modifications | Dr. Ahmet Suha Yalçın |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | Posttranscriptional and posttranslational modifications | Dr. Ahmet Suha Yalçın |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 |  |  |
| 16:30-16:35 |  |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
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| **Friday** | **22 November** |  |
| 08:45-09:30 | Cellular effects of tobacco use | Dr. Elif Dağlı |
| 09:30-09:35 | Discussion |  |
| 09:45-10:30 | Cellular effects of tobacco use | Dr. Elif Dağlı |
| 10:30-10:35 | Discussion |  |
| 10:45-11:30 | ICP-1 Student Research & Computer Skills | Computer Lab. |
| 11:30-11:35 | Discussion |  |
| 11:45-12:30 | ICP-1 Student Research & Computer Skills | Computer Lab. |
| 12:30-12:35 | Discussion |  |
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| 13:45-14:30 |  |  |
| 14:30-14:35 |  |  |
| 14:45-15:30 | Describing the data with graphics | Dr. Gülnaz Nural Bekiroğlu |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 | Describing the data with numbers | Dr. Gülnaz Nural Bekiroğlu |
| 16:30-16:35 | Discussion |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
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| **Week-9 (25 November - 29 November 2019)** |
| **Monday** | **25 November** |  |
| 08:45-09:30 | **PRACTICAL EXAM** |  |
| 09:30-09:35 |  |
| 09:45-10:30 |  |
| 10:30-10:35 |  |
| 10:45-11:30 |  |
| 11:30-11:35 |  |
| 11:45-12:30 |  |
| 12:30-12:35 |  |
|  |  |  |
| 13:45-14:30 | Elective course |  |
| 14:30-14:35 | Discussion |  |
| 14:45-15:30 | Elective course |  |
| 15:30-15:35 | Discussion |  |
| 15:45-16:30 |  |  |
| 16:30-16:35 |  |  |
| 16:45-17:30 |  |  |
| 17:30-17:35 |  |  |
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| **Tuesday** | **26 November** |  |
| 08:45-09:30 | **PRACTICAL EXAM** |  |
| 09:30-09:35 |  |
| 09:45-10:30 |  |
| 10:30-10:35 |  |
| 10:45-11:30 |  |
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| 13:45-14:30 |  |
| 14:30-14:35 |  |
| 14:45-15:30 |  |
| 15:30-15:35 |  |
| 15:45-16:30 |  |
| 16:30-16:35 |  |
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| **Wednesday** | **27 November** |  |
| 08:45-09:30 |  |  |
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| 10:45-11:30 |  |  |
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| **Thursday** | **28 November** |  |
| 08:45-09:30 | **Y1C1 THEORETICAL EXAM** |  |
| 09:30-09:35 |  |
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| **Friday** | **29 November** |  |
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