|  |
| --- |
| **C:\Users\Namariel\Downloads\TıpF (1)\TıpF\TıpF-2.png****MARMARA UNIVERSITY SCHOOL of MEDICINE** |
| INTRODUCTION TO NERVOUS SYSTEM AND HUMAN BEHAVIOR YEAR 1 COURSE 4March 27 - June 09, 2023 |
| **Coordinator of the Course 1.4**Assoc. Prof. Saime BATIREL | **Coordinator of the Module 1.4**Prof.Mehmet Ali GÜLPINAR |
| **Year 1 Coordinators** Prof. Dilek AKAKIN & Prof. Mustafa AKKİPRİK |
| **Module Coordinator**Prof. Rezzan GÜLHAN Assist.Prof. Sinem YILDIZ İNANICI | **Introduction to Clinical Practice (ICP) Coordinators**Prof. Gülru Pemra CÖBEK ÜNALANProf. Serap ÇİFÇİLİ |
|  **Coordinator of Multidisciplinary Students’ Lab**.Prof. Betül YILMAZ | **Coordinator of Clinical Skills Lab.**Prof. Çiğdem APAYDIN KAYA |
|  **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**  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 ÇinçinProf. Hasan Raci YANANLI | **Dean**Prof. Ümit Süleyman ŞEHİRLİ |

|  |
| --- |
| 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.
 |
| 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 |

|  |
| --- |
| INTRODUCTION TO NERVOUS SYSTEM AND HUMAN BEHAVIOR |
| AIM and LEARNING OBJECTIVES of COURSE **Aim:** At the end of this committee, first year students will gain a general sight to the concept of human body through the systems that constitute and define the main communicative network of the body. During this course students will also gain knowledge about the basic principles of human behaviour and the main concepts of medical ethics.**Learning Objectives:** At the end of this committee, first year students will, • define the structural elements of the nervous system • be able to identify the different tissues regarding their structures, organization and • functioning • acquire knowledge concerning the development and differentiation process of the nervous • system organs and their function • acquire knowledge on human behavior • acquire skills necessary to perform experimental applications • explain evidences illustrating the existence of health inequalities and association between socio-economic position and health inequalities |
| **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-1.4 & MODULE-1.4 |
| * Anatomy
* Biochemistry
* Biophysics
* Child and Adolescent Psychiatry
* Family Medicine
* Internal Medicine
* Medical Education
* Medical Biology
 | * Histology & Embryology
* Medical Genetics
* Neurology
* Pharmacology
* Physiology
* Psychiatry
* Public Health
 |
| LECTURERS / TUTORS |
| Dilek AKAKIN, Professor of Histology & Embryology Yıldız AKVARDAR, Professor of Psychiatry Banu AYDIN OMAY, Assoc. Professor of BiophysicsMaide BARIŞ, Instructor of Medical History & EthicsSaime BATIREL, Assoc. Professor of Biochemistry Necati Serkut BULUT, Assist. Prof. of PsychiatryHülya CABADAK, Professor of Biophysics Şule ÇETİNEL, Professor of Histology & Embryology Özge EMRE, Instructor of Medical English Ahmet İlter GÜNEY, Professor of Medical GeneticsÖzgür KASIMAY, Professor of Physiology Hızır KURTEL, Professor of Physiology Pınar MEGA TİBER, Professor of BiophysicsOrhan ÖNDER, Lect. of Medical History and EthicsNecmettin Ömer ÖZDOĞMUŞ, Professor of Anatomy  | Ayşe SAKALLI KANİ, Assist. Professor of PsychiatryGürkan SERT, Professor of Medical History & EthicsAhmet Erdi SÖZEN, Assist. Professor of BiochemistryÜmit Süleyman ŞEHİRLİ, Professor of Anatomy Önder ŞİRİKÇİ, Professor of BiochemistrySerap ŞİRVANCI, Professor of Histology & Embryology Arzu UZUNER, Professor of Family MedicineGülru Pemra ÜNALAN, Professor of Family MedicineUral VERİMLİ, Assist. Professor of Anatomy Ömer YANARTAŞ, Assoc. Professor of PsychiatryBerrak YEGEN, Professor of Physiology Alper YILDIRIM, Professor of PhysiologyMesut YILDIZ, Assoc.Prof. of PsychiatryNeşe YORGUNER, Assoc.Prof. of Psychiatry |

|  |
| --- |
| **READING / STUDYING MATERIALS**• Biochemistry; Stryer, 4th ed., Freeman • Biochemistry; Zubay, 3rd ed., WCB • Clinical Anatomy for Medical Students; Richard S. Snell • Clinically Oriented Anatomy; Keith L. Moore, Arthur F. Dalley • Color Textbook of Histology; Gartner & Hiatt, 3rd ed., Elsevier Health Sciences, 2004 • D.H. Hubel; Eye, Brain and Vision • Gray Anatomi; Çeviri Editörü: Prof. Dr. Mehmet YILDIRIM, Güneş Kitabevi, 2006 • Gray’s Anatomy for Students; Richard L. Drake, Henry Gray, Adam W.M. Mitchell • Guyton & Hall ; Textbook of Physiology, 11th edition, Elsevier-Saudersd, 2006. • Histology A Text and Atlas; Michael H Ross, Michael R. Ross, Wojciech Pawlina, 5th ed. Lippincott Williams & Wilkins, 2006 • Histoloji ve Hücre Biyolojisi; Abraham L.Kierzenbaum; Çeviri editorü: Ramazan Demir, Palme Yayıncılık - Ankara, 2006 • Human Histology: Alan Stevens, James Lowe, 3rd ed., Elsevier Health Sciences, 2004 • M.F. Baer, Connors & Paradiso; Neuroscience 2nd ed. • Sert Gürkan: Hasta Hakları – Uluslararası Bildiriler ve Tıp Etiği Çerçevesinde • Temel Histoloji; Junqueira LC, Carneiro J; Çeviri editörleri: Yener Aytekin, Seyhun Solakoğlu, Nobel Matbaacılık, 10th ed. 2003 |

|  |
| --- |
| SUMMARY OF THECOURSE 1.4 |
| **Discipline** | **Lecture & Group Discussion** | **Multidisciplinary Lab. & Clinical Skills Lab. Practice** | **Total** |
| Anatomy | 19 | 6 | 25 |
| Biochemistry | 10 |  | 10 |
| Biophysics | 11 | 2 | 13 |
| Family Medicine | 1 |  | 1 |
| Medical Genetics | 1 |  | 1 |
| Histology and Embryology | 10 | 2 | 12 |
| Medical History and Ethics | 9 |  | 9 |
| Multidisciplinary course | 14 |  | 14 |
| Physiology | 25 | 3 | 28 |
| Psychiatry | 23 |  | 23 |
| **Subtotal** | **123** | **13** | **136** |
| PBL Module | 10 |  | 10 |
| ICP-1: Research | 12 |  | 12 |
| ICP-1: Free study with research advisors for reviewing posters for MaSCo | 8 |  | 8 |
| ICP-1: Student's Research Presentations | 14 |  | 14 |
| ICP-1: Guideline about research report writing | 4 |  |  |
| Medical English | 12 |  | 12 |
| **TOTAL** | **183** | **13** | **196** |

|  |
| --- |
| **TEN WEEK PROGRAM** |
|  | **THEORETICAL AND PRACTICAL SESSIONS** | **LECTURER(S)/TUTOR(S)** |
| **Week-1 (27 March - 31 March 2023)** |
| **Monday** | **27 March** |   |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Introduction to the course | Dr. Saime Batırel |
| 10:40-11:30 | Introduction to Medical Deontology and Ethics | Dr. Gürkan Sert |
| 11:40-12:30 | Introduction to Medical Deontology and Ethics | Dr. Gürkan Sert |
|  |  |  |
| 13:40-14:30 | Introduction to nervous system | Dr. Ümit Süleyman Şehirli |
| 14:40-15:30 | Introduction to nervous system | Dr. Ümit Süleyman Şehirli |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
|  |  |  |
| **Tuesday** | **28 March** |   |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Neurocranium | Dr. Necmettin Ömer Özdoğmuş |
| 10:40-11:30 | Neurocranium | Dr. Necmettin Ömer Özdoğmuş |
| 11:40-12:30 | Neurocranium | Dr. Necmettin Ömer Özdoğmuş |
|  |  |  |
| 13:40-14:30 | Human systems and relations in psychological perspective | Dr. Ömer Yanartaş |
| 14:40-15:30 | The use of psychology in medical context | Dr. Ömer Yanartaş |
| 15:40-16:30 | Art and Anatomy | Dr. Orhan Önder |
| 16:40-17:30 | Medical professionalism | Dr. Orhan Önder |
| 17:40-18:30 |  |  |
|  |  |  |
| **Wednesday** | **29 March** |   |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Cortex | Dr. Ural Verimli |
| 10:40-11:30 | Medical English | Dr. Özge Emre |
| 11:40-12:30 | Medical English | Dr. Özge Emre |
|  |  |  |
| 13:40-14:30 | Viscerocranium | Dr. Necmettin Ömer Özdoğmuş |
| 14:40-15:30 | Viscerocranium | Dr. Necmettin Ömer Özdoğmuş |
| 15:40-16:30 | Introduction to family medicine | Dr. Gülru Pemra Ünalan |
| 16:40-17:30 |  |  |
|  |  |  |
| **Thursday** | **30 March** |   |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Informed consent | Dr. Gürkan Sert |
| 10:40-11:30 | Patient rights | Dr. Gürkan Sert |
| 11:40-12:30 | Privacy and confidentiality | Dr. Orhan Önder |
|  |  |  |
| 13:40-14:30 | Base of the skull | Dr. Necmettin Ömer Özdoğmuş |
| 14:40-15:30 | Base of the skull | Dr. Necmettin Ömer Özdoğmuş |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
|  |  |  |
| **Friday** | **31 March** |   |
| 08:40-09:30 | ICP-1 Research and Computer Skill |  |
| 09:40-10:30 | ICP-1 Research and Computer Skill |  |
| 10:40-11:30 | ICP-1 Research and Computer Skill |  |
| 11:40-12:30 | ICP-1 Research and Computer Skill |  |
|  |  |  |
| 13:40-14:30 |  |  |
| 14:40-15:30 | Subcortical structures | Dr. Ümit Süleyman Şehirli |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |

|  |
| --- |
| **Week-2 (03 April - 07 April 2023)** |
| **Monday** | **03 April** |   |
| 08:40-09:30 | Biochemical aspect of nervous tissue | Dr. Saime Batırel |
| 09:40-10:30 | Biochemical aspect of nervous tissue | Dr. Saime Batırel |
| 10:40-11:30 | Ethical issues at the beginning of life | Dr. Maide Barış |
| 11:40-12:30 | Ethical issues at the end of life | Dr. Maide Barış |
|  |  |  |
| 13:40-14:30 | Histology of the nervous tissue | Dr. Serap Şirvancı |
| 14:40-15:30 | Histology of the nervous tissue | Dr. Serap Şirvancı |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
| 18:40-19:30 |  |  |
|  |  |  |
| **Tuesday** | **04 April** |   |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 | Psychological development: Cognitive and social domains | Dr. Yıldız Akvardar |
| 11:40-12:30 | Psychological development: Cognitive and social domains | Dr. Yıldız Akvardar |
|  |  |  |
| 13:40-14:30 | Development of nervous system | Dr. Serap Şirvancı |
| 14:40-15:30 | Development of nervous system | Dr. Serap Şirvancı |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
|  |  |  |
| **Wednesday** | **05 April** |   |
| 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 |
|  |  |  |
| 13:40-14:30 | Conduction properties of action potential | Dr. Banu Aydın Omay |
| 14:40-15:30 | Synapses and neuronal integration | Dr. Hızır Kurtel |
| 15:40-16:30 | Synaptic transmission in learning and memory | Dr. Hülya Cabadak |
| 16:40-17:30 | Synaptic transmission in learning and memory | Dr. Hülya Cabadak |
| 17:40-18:30 |  |  |
|  |  |  |
| **Thursday** | **06 April** |   |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Brain stem | Dr. Necmettin Ömer Özdoğmuş |
| 10:40-11:30 | Learning memory and speech | Dr. Özgür Kasımay |
| 11:40-12:30 | Learning memory and speech | Dr. Özgür Kasımay |
|  |  |  |
| 13:40-14:30 | Chemical Mediators of Neurotransmission | Dr. Özgür Kasımay |
| 14:40-15:30 | Vertebral column | Dr. Ümit Süleyman Şehirli |
| 15:40-16:30 | Vertebral column | Dr. Ümit Süleyman Şehirli |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
|   |   |   |
| **Friday** | **07 April** |   |
| 08:40-09:30 | ICP-1 Research and Computer Skills |  |
| 09:40-10:30 | ICP-1 Research and Computer Skills |  |
| 10:40-11:30 | ICP-1 Research and Computer Skills |  |
| 11:40-12:30 | ICP-1 Research and Computer Skills |  |
|  |  |  |
| 13:40-14:30 |  |  |
| 14:40-15:30 | Peripheral nervous system | Dr. Özgür Kasımay |
| 15:40-16:30 | Peripheral nervous system | Dr. Özgür Kasımay |
| 16:40-17:30 |  |  |
|  |  |  |
| 17:40-18:30 |  |  |

|  |
| --- |
| **Week-3 (10 April - 14 April 2023)** |
| **Monday** | **10 April** |   |
| 08:40-09:30 | Autonomic nervous system physiology | Dr. Berrak Yegen |
| 09:40-10:30 | Autonomic nervous system physiology | Dr. Berrak Yegen |
| 10:40-11:30 | Brain and behaviour | Dr. Yıldız Akvardar |
| 11:40-12:30 | Brain and behaviour | Dr. Yıldız Akvardar |
|  |  |  |
| 13:40-14:30 | Human systems and relations: The case of organisations | Dr. Yıldız Akvardar |
| 14:40-15:30 |  |  |
| 15:40-16:30 | Elective course  |  |
| 16:40-17:30 | Elective course  |  |
| 17:40-18:30 |  |  |
| 18:40-19:30 |  |  |
|  |  |  |
| **Tuesday** | **11 April** |   |
| 08:40-09:30 | Learning theory and its application in psychology | Dr. Necati Serkut Bulut |
| 09:40-10:30 | Learning theory and its application in psychology | Dr. Necati Serkut Bulut |
| 10:40-11:30 | Brain stem and reticular formation | Dr. Berrak Yegen |
| 11:40-12:30 | Brain stem and reticular formation | Dr. Berrak Yegen |
|  |  |  |
| 13:40-14:30 | Perception | Dr. Necati Serkut Bulut |
| 14:40-15:30 | Perception | Dr. Necati Serkut Bulut |
| 15:40-16:30 | Emotions in cognitive and cultural context | Dr. Ayşe Sakallı Kani |
| 16:40-17:30 | Emotions in cognitive and cultural context | Dr. Ayşe Sakallı Kani |
| 17:40-18:30 |  |  |
|  |  |  |
| **Wednesday** | **12 April** |   |
| 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 |
|  |  |  |
| 13:40-14:30 | General orientation to higher functions of the nervous system  | Dr. Neşe Yorguner |
| 14:40-15:30 | General orientation to higher functions of the nervous system  | Dr. Neşe Yorguner |
| 15:40-16:30 | Drives and motivation: The case of sexuality | Dr. Neşe Yorguner |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
|  |  |  |
| **Thursday** | **13 April** |   |
| 08:40-09:30 | Adrenal and thymus gland | Dr. Necmettin Ömer Özdoğmuş |
| 09:40-10:30 | Histology of endocrine organs | Dr. Dilek Akakın |
| 10:40-11:30 | Limbic system | Dr. Alper Yıldırım |
| 11:40-12:30 | Hypothalamus and pituitary | Dr. Alper Yıldırım |
|  |  |  |
| 13:40-14:30 | Hormone structure and action | Dr. Önder Şirikçi |
| 14:40-15:30 | Hormone structure and action | Dr. Önder Şirikçi |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
|  |  |  |
| **Friday** | **14 April** |   |
| 08:40-09:30 | ICP-1 Research and Computer Skills |  |
| 09:40-10:30 | ICP-1 Research and Computer Skills |  |
| 10:40-11:30 | ICP-1 Research and Computer Skills |  |
| 11:40-12:30 | ICP-1 Research and Computer Skills |  |
|  |  |  |
| 13:40-14:30 |  |  |
| 14:40-15:30 | Hormonal regulation of gonadal functions | Dr. Alper Yıldırım |
| 15:40-16:30 | Hormonal regulation of gonadal functions | Dr. Alper Yıldırım |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
|  |  |   |

|  |
| --- |
| **Week-4 (17 April - 21 April 2023)** |
| **Monday** | **17 April** |   |
| 08:40-09:30 | Orbit and its content | Dr. Ümit Süleyman Şehirli |
| 09:40-10:30 | Orbit and its content | Dr. Ümit Süleyman Şehirli |
| 10:40-11:30 | Temperament / Personality | Dr. Yıldız Akvardar |
| 11:40-12:30 | Temperament / Personality | Dr. Yıldız Akvardar |
|  |  |  |
| 13:40-14:30 | Molecular genetics of nervous system | Dr. Ahmet İlter Güney |
| 14:40-15:30 |  |  |
| 15:40-16-30 | Elective course |  |
| 16:40-17:30 | Elective course |   |
| 17:40-18:30 |  |   |
| 18:40-19:30 |  |   |
|  |  |  |
| **Tuesday** | **18 April** |   |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Thinking and language | Dr. Mesut Yıldız |
| 10:40-11:30 | Thinking and language | Dr. Mesut Yıldız |
| 11:40-12:30 | Human intelligence: Human I.Q /E.Q | Dr. Mesut Yıldız |
|  |  |  |
| 13:40-14:30 | Peptide hormones and catecholamines | Dr. Saime Batırel |
| 14:40-15:30 | Peptide hormones and catecholamines | Dr. Saime Batırel |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
|  |  |  |
| **Wednesday** | **19 April** |   |
| 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 |
|  |  |  |
| 13:40-14:30 | Memory systems | Dr. Ayşe Sakallı Kani |
| 14:40-15:30 | Memory systems | Dr. Ayşe Sakallı Kani |
| 15:40-16:30 | Steroid and thyroid hormones | Dr. Erdi Sözen |
| 16:40-17:30 | Steroid and thyroid hormones | Dr. Erdi Sözen |
| 17:40-18:30 |  |  |
|  |  |  |
| **Thursday** | **20 April** |   |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 |  |  |
| 11:40-12:30 |  |  |
|  |  |  |
| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
|  |  |  |
| **Friday** | **21 April** |   |
| 08:40-09:30 | **RAMAZAN BAYRAMI1. GÜN** |  |
| 09:40-10:30 |  |
| 10:40-11:30 |  |
| 11:40-12:30 |  |
|  |  |
| 13:40-14:30 |  |
| 14:40-15:30 |  |
| 15:40-16:30 |  |
| 16:40-17:30 |  |

|  |
| --- |
| **Week-5 (24 April - 28 April 2023)** |
| **Monday** | **24 April** |   |
| 08:40-09:30 | Signal transduction and sensory stimuli | Dr. Önder Şirikçi |
| 09:40-10:30 | Signal transduction and sensory stimuli | Dr. Önder Şirikçi |
| 10:40-11:30 | Histology of the eye | Dr. Dilek Akakın |
| 11:40-12:30 | Histology of the eye | Dr. Dilek Akakın |
|  |  |  |
| 13:40-14:30 | **ICP-1 Make-up Exam** |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 | Elective course  |  |
| 16:40-17:30 | Elective course  |  |
|  |  |  |
| **Tuesday** | **25 April** |   |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Physiology of vision | Dr. Berrak Yegen |
| 10:40-11:30 | Physiology of vision | Dr. Berrak Yegen |
| 11:40-12:30 | Physiology of vision | Dr. Berrak Yegen |
|  |  |  |
| 13:40-14:30 | Optics of vision | Dr. Pınar Mega Tiber |
| 14:40-15:30 | Optics of vision | Dr. Pınar Mega Tiber |
| 15:40-16:30 | Biophysics of photoreception | Dr. Banu Aydın Omay |
| 16:40-17:30 | Biophysics of photoreception | Dr. Banu Aydın Omay |
|  |  |  |
| **Wednesday** | **26 April** |   |
| 08:40-09:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner |
| 09:40-10:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner |
| 10:40-11:30 | Medical English | Dr. Özge Emre |
| 11:40-12:30 | Medical English | Dr. Özge Emre |
|  |  |  |
| 13:40-14:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner |
| 14:40-15:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner |
| 15:40-16:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner |
| 16:40-17:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner |
|  |  |  |
| **Thursday** | **27 April** |   |
| 08:40-09:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner |
| 09:40-10:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner |
| 10:40-11:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner |
| 11:40-12:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner |
|  |  |  |
| 13:40-14:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner |
| 14:40-15:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner |
| 15:40-16:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner |
| 16:40-17:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner |
|  |  |  |
| **Friday** | **28 April** |   |
| 08:40-09:30 | ICP-1 Research and Computer Skills |  |
| 09:40-10:30 | ICP-1 Research and Computer Skills |  |
| 10:40-11:30 | ICP-1 Research and Computer Skills |  |
| 11:40-12:30 | ICP-1 Research and Computer Skills |  |
|  |  |  |
| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
|  |  |  |
| **Week-6 (01 May - 05 May 2023)** |
| **Monday** | **01 May** |   |
| 08:40-09:30 | **MAY 1 LABOR DAY** |  |
| 09:40-10:30 |  |
| 10:40-11:30 |  |
| 11:40-12:30 |  |
|  |  |
| 13:40-14:30 |  |
| 14:40-15:30 |  |
| 15:40-16:30 |  |
| 16:40-17:30 |  |
| 17:40-18:30 |  |
|  |  |  |
| **Tuesday** | **02 May** |   |
| 08:40-09:30 | Initiation of impulses in sense organs | Dr. Alper Yıldırım |
| 09:40-10:30 | Sensory perception | Dr. Alper Yıldırım |
| 10:40-11:30 | Anatomy of the ear | Dr. Necmettin Ömer Özdoğmuş |
| 11:40-12:30 | Anatomy of the ear | Dr. Necmettin Ömer Özdoğmuş |
|  |  |  |
| 13:40-14:30 |  |  |
| 14:40-15:30 | PBL-1 |  |
| 15:40-16:30 | PBL-1 |  |
| 16:40-17:30 |  |  |
|  |  |  |
| **Wednesday** | **03 May** |   |
| 08:40-09:30 |  |  |
| 09:40-10:30 | PBL Study Time |  |
| 10:40-11:30 | Medical English | Dr. Özge Emre |
| 11:40-12:30 | Medical English | Dr. Özge Emre |
|  |  |  |
| 13:40-14:30 | Receptive fields and retinal processing | Dr. Banu Aydın Omay |
| 14:40-15:30 | Receptive fields and retinal processing | Dr. Banu Aydın Omay |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
|  |  |  |
| **Thursday** | **04 May** |   |
| 08:40-09:30 | Histology of the ear | Dr. Şule Çetinel |
| 09:40-10:30 | Histology of the ear | Dr. Şule Çetinel |
| 10:40-11:30 | Biophysics of auditory system | Dr. Banu Aydın Omay |
| 11:40-12:30 | Biophysics of auditory system | Dr. Banu Aydın Omay |
|  |  |  |
| 13:40-14:30 | Anatomy LAB: Neurocranium - A | Anatomy Lab. |
| 14:40-15:30 | Anatomy LAB: Neurocranium - B | Anatomy Lab. |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
|  |  |  |
| **Friday** | **05 May** |   |
| 08:40-09:30 | ICP-1 Research and Computer Skills |  |
| 09:40-10:30 | ICP-1 Research and Computer Skills |  |
| 10:40-11:30 | ICP-1 Research and Computer Skills |  |
| 11:40-12:30 | ICP-1 Research and Computer Skills |  |
|  |  |  |
| 13:40-14:30 |  |  |
| 14:40-15:30 | PBL-2 |  |
| 15:40-16:30 | PBL-2 |  |
| 16:40-17:30 |  |  |
|  |  |  |
| **Week-7 (08 May - 12 May 2023)** |
| **Monday** | **08 May** |   |
| 08:40-09:30 | Development of the eye | Dr. Şule Çetinel |
| 09:40-10:30 | Development of the ear | Dr. Şule Çetinel |
| 10:40-11:30 | Anatomy LAB: Viscerocranium - A | Anatomy Lab. |
| 11:40-12:30 | Anatomy LAB: Viscerocranium - B | Anatomy Lab. |
|  |  |  |
| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 | Elective course |  |
| 16:40-17:30 | Elective course |  |
| 17:40-18:30 |  |  |
|  |  |  |
| **Tuesday** | **09 May** |   |
| 08:40-09:30 | Histology LAB: Nervous Tissue - A | Multidisciplinary Lab. |
| 09:40-10:30 | Histology LAB: Nervous Tissue - A | Multidisciplinary Lab. |
| 10:40-11:30 | Histology LAB: Nervous Tissue - B | Multidisciplinary Lab. |
| 11:40-12:30 | Histology LAB: Nervous Tissue - B | Multidisciplinary Lab. |
|  |  |  |
| 13:40-14:30 | PBL Study Time |  |
| 14:40-15:30 | PBL-3 |  |
| 15:40-16:30 | PBL-3 |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
|  |  |  |
| **Wednesday** | **10 May** |   |
| 08:40-09:30 |  |  |
| 09:40-10:30 | PBL Study Time |  |
| 10:40-11:30 | Medical English | Dr. Özge Emre |
| 11:40-12:30 | Medical English | Dr. Özge Emre |
|  |  |  |
| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 | Physiology of hearing | Dr. Hızır Kurtel |
| 16:40-17:30 | Physiology of hearing | Dr. Hızır Kurtel |
| 17:40-18:30 |  |  |
|  |  |  |
| **Thursday** | **11 May** |   |
| 08:40-09:30 | Vestibular system | Dr. Alper Yıldırım |
| 09:40-10:30 | Vestibular system | Dr. Alper Yıldırım |
| 10:40-11:30 | Chemical senses | Dr. Alper Yıldırım |
| 11:40-12:30 | Cutaneous senses | Dr. Özgür Kasımay |
|  |  |  |
| 13:40-14:30 | Anatomy LAB: Base of the skull - A | Anatomy Lab. |
| 14:40-15:30 | Anatomy LAB: Base of the skull - B | Anatomy Lab. |
| 15:40-16:30 | Anatomy LAB: Vertebral Column – A | Anatomy Lab. |
| 16:40-17:30 | Anatomy LAB: Vertebral Column – B | Anatomy Lab. |
|  |  |  |
| **Friday** | **12 May** |   |
| 08:40-09:30 | ICP-1 Research Presentations |  |
| 09:40-10:30 | ICP-1 Research Presentations |  |
| 10:40-11:30 | ICP-1 Research Presentations |  |
| 11:40-12:30 | ICP-1 Research Presentations |  |
|  |  |  |
| 13:40-14:30 |  |  |
| 14:40-15:30 | PBL-4 |  |
| 15:40-16:30 | PBL-4 |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
|  |  |  |
| **Week-8 (15 May - 19 May 2023)** |
| **Monday** | **15 May** |   |
| 08:40-09:30 | Biophysics LAB: Biofeedback and Reaction Time-A | Computer Lab. |
| 09:40-10:30 | Biophysics LAB: Biofeedback and Reaction Time-B | Computer Lab. |
| 10:40-11:30 | Biophysics LAB: Biofeedback and Reaction Time-C | Computer Lab. |
| 11:40-12:30 | Biophysics LAB: Biofeedback and Reaction Time-D | Computer Lab. |
|  |  |  |
| 13:40-14:30 | Biophysics LAB: Biofeedback and Reaction Time-E | Computer Lab. |
| 14:40-15:30 | Biophysics LAB: Biofeedback and Reaction Time-F | Computer Lab. |
| 15:40-16:30 | Elective course  |  |
| 16:40-17:30 | Elective course  |  |
|  |  |  |
| **Tuesday** | **16 May** |   |
| 08:40-09:30 | ICP-1 Research Presentations |  |
| 09:40-10:30 | ICP-1 Research Presentations |  |
| 10:40-11:30 | ICP-1 Research Presentations |  |
| 11:40-12:30 | ICP-1 Research Presentations |  |
|  |  |  |
| 13:40-14:30 | PBL Study Time |  |
| 14:40-15:30 | PBL-5 |  |
| 15:40-16:30 | PBL-5 |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
|  |  |  |
| **Wednesday** | **17 May** |   |
| 08:40-09:30 | Anatomy LAB: Orbit and its contents - A | Anatomy Lab. |
| 09:40-10:30 | Anatomy LAB: Orbit and its contents - B | Anatomy Lab. |
| 10:40-11:30 | Medical English | Dr. Özge Emre |
| 11:40-12:30 | Medical English | Dr. Özge Emre |
|  |  |  |
| 13:40-14:30 | ICP-1 Research Presentations |  |
| 14:40-15:30 | ICP-1 Research Presentations |  |
| 15:40-16:30 | ICP-1 Research Presentations |  |
| 16:40-17:30 | ICP-1 Research Presentations |  |
| 17:40-18:30 |  |  |
|  |  |  |
| **Thursday** | **18 May** |   |
| 08:40-09:30 | ICP-1 Research Presentations |  |
| 09:40-10:30 | ICP-1 Research Presentations |  |
| 10:40-11:30 | ICP-1 Research Presentations |  |
| 11:40-12:30 | ICP-1 Research Presentations |  |
|  |  |  |
| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
|  |  |  |
| **Friday** | **19 May** |   |
| 08:40-09:30 | **19 MAYIS ATATÜRK'Ü ANMA,** **GENÇLİK VE SPOR BAYRAMI** |  |
| 09:40-10:30 |  |
| 10:40-11:30 |  |
| 11:40-12:30 |  |
|  |  |
| 13:40-14:30 |  |
| 14:40-15:30 |  |
| 15:40-16:30 |  |
| 16:40-17:30 |  |
| 17:40-18:30 |  |
|  |  |  |
| **Week-9 (22 May – 26 May 2023)** |
| **Monday** | **22 May** |   |
| 08:40-09:30 | ICP-1 Research Presentations |  |
| 09:40-10:30 | ICP-1 Research Presentations |  |
| 10:40-11:30 | ICP-1 Research Presentations |  |
| 11:40-12:30 | ICP-1 Research Presentations |  |
|  |  |  |
| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 | Elective course  |  |
| 16:40-17:30 | Elective course  |  |
| 17:40-18:30 |  |  |
|  |  |  |
| **Tuesday** | **23 May** |   |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Physiology LAB: Tests for vision and hearing physiology-A | Multidisciplinary Lab. |
| 10:40-11:30 | Physiology LAB: Tests for vision and hearing physiology-A | Multidisciplinary Lab. |
| 11:40-12:30 | Physiology LAB: Tests for vision and hearing physiology-A | Multidisciplinary Lab. |
|  |  |  |
| 13:40-14:30 | Physiology LAB: Tests for vision and hearing physiology-B | Multidisciplinary Lab. |
| 14:40-15:30 | Physiology LAB: Tests for vision and hearing physiology-B | Multidisciplinary Lab. |
| 15:40-16:30 | Physiology LAB: Tests for vision and hearing physiology-B | Multidisciplinary Lab. |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
|  |  |  |
| **Wednesday** | **24 May** |   |
| 08:40-09:30 | Anatomy LAB: The ear - A | Anatomy Lab |
| 09:40-10:30 | Anatomy LAB: The ear - B | Anatomy Lab |
| 10:40-11:30 | Medical English | Dr. Özge Emre |
| 11:40-12:30 | Medical English | Dr. Özge Emre |
|  |  |  |
| 13:40-14:30 | Physiology LAB: Tests for vision and hearing physiology-C | Multidisciplinary Lab. |
| 14:40-15:30 | Physiology LAB: Tests for vision and hearing physiology-C | Multidisciplinary Lab. |
| 15:40-16:30 | Physiology LAB: Tests for vision and hearing physiology-C | Multidisciplinary Lab. |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
|  |  |  |
| **Thursday** | **25 May** |   |
| 08:40-09:30 | Biophysics LAB: Electrooculogram-A |  |
| 09:40-10:30 | Biophysics LAB: Electrooculogram-B | Computer Lab. |
| 10:40-11:30 | Biophysics LAB: Electrooculogram-C | Computer Lab. |
| 11:40-12:30 | Biophysics LAB: Electrooculogram-D | Computer Lab. |
|  |  |  |
| 13:40-14:30 | Biophysics LAB: Electrooculogram-E | Computer Lab. |
| 14:40-15:30 | Biophysics LAB: Electrooculogram-F | Computer Lab. |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
|  |  |  |
| **Friday** | **26 May** |   |
| 08:40-09:30 | **MASCO** |  |
| 09:40-10:30 |  |
| 10:40-11:30 |  |
| 11:40-12:30 |  |
|  |  |
| 13:40-14:30 |  |
| 14:40-15:30 |  |
| 15:40-16:30 |  |
| 16:40-17:30 |  |
|   |   |   |
| **Week-10 (29 May – 02 June 2023)** |
| **Monday** | **29 May** |   |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 |  |  |
| 11:40-12:30 |  |  |
|  |  |  |
| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
|  |  |  |
| **Tuesday** | **30 May** |   |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 |  |  |
| 11:40-12:30 |  |  |
|  |  |  |
| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
|  |  |  |
| **Wednesday** | **31 May** |   |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 |  |  |
| 11:40-12:30 |  |  |
|  |  |  |
| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
|  |  |  |
| **Thursday** | **01 June** |   |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 |  |  |
| 11:40-12:30 |  |  |
|  |  |  |
| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
|  |  |  |
| **Friday** | **02 June** |   |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 |  |  |
| 11:40-12:30 |  |  |
|  |  |  |
| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
|   |   |   |
| **Week-11 (05 June – 09 June 2023)** |
| **Monday** | **05 June** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 | **Y1C4 PRACTICAL EXAM**  |  |
| 11:40-12:30 |  |
|  |  |  |
| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| **Tuesday** | **06 June** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 | **Y1C4 PRACTICAL EXAM** |  |
| 11:40-12:30 |  |
|  |  |  |
| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
|  |  |  |
| **Wednesday** | **07 June** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |   |   |
| 10:40-11:30 |  |  |
| 11:40-12:30 |  |  |
|  |  |  |
| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
|  |  |  |
| **Thursday** | **08 June** |   |
| 08:40-09:30 | **Y1C4 THEORETICAL EXAM** |  |
| 09:40-10:30 |  |
| 10:40-11:30 |  |
| 11:40-12:30 |  |
|  |  |  |
| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
|  |  |  |
| **Friday** | **09 June** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |   |   |
| 10:40-11:30 |  |  |
| 11:40-12:30 |  |  |
|  |  |  |
| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
|  |  |  |
|  |  |  |