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| **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 4  March 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 ÜNALAN  Prof. 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 Çinçin  Prof. Hasan Raci 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 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 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-1.4 & 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 Biophysics  Maide BARIŞ, Instructor of Medical History & Ethics  Saime BATIREL, Assoc. Professor of Biochemistry  Necati Serkut BULUT, Assist. Prof. of Psychiatry  Hülya CABADAK, Professor of Biophysics  Şule ÇETİNEL, Professor of Histology & Embryology  Özge EMRE, Instructor of Medical English  Ahmet İlter GÜNEY, Professor of Medical Genetics  Özgür KASIMAY, Professor of Physiology  Hızır KURTEL, Professor of Physiology  Pınar MEGA TİBER, Professor of Biophysics  Orhan ÖNDER, Lect. of Medical History and Ethics  Necmettin Ömer ÖZDOĞMUŞ, Professor of Anatomy | | Ayşe SAKALLI KANİ, Assist. Professor of Psychiatry  Gürkan SERT, Professor of Medical History & Ethics  Ahmet Erdi SÖZEN, Assist. Professor of Biochemistry  Ümit Süleyman ŞEHİRLİ, Professor of Anatomy  Önder ŞİRİKÇİ, Professor of Biochemistry  Serap ŞİRVANCI, Professor of Histology & Embryology  Arzu UZUNER, Professor of Family Medicine  Gülru Pemra ÜNALAN, Professor of Family Medicine  Ural VERİMLİ, Assist. Professor of Anatomy  Ömer YANARTAŞ, Assoc. Professor of Psychiatry  Berrak YEGEN, Professor of Physiology  Alper YILDIRIM, Professor of Physiology  Mesut YILDIZ, Assoc.Prof. of Psychiatry  Neşe YORGUNER, Assoc.Prof. of Psychiatry |

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| **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 |

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| 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** |

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| **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 |  |  |
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| **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 |  |  |
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| **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 |  |  |

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| **Week-2 (03 April - 07 April 2023)** | | |
| **Monday** | **03 April** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 |  |  |
| 11:40-12:30 | Ethical issues at the beginning of life | Dr. Maide Barış |
|  |  |  |
| 13:40-14:30 | Ethical issues at the end of life | Dr. Maide Barış |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
| 18:40-19:30 |  |  |
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| **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 |  |  |
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| **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 |  |  |
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| **Thursday** | **06 April** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | Brain stem | Dr. Necmettin Ömer Özdoğmuş |
| 10:40-11:30 |  |  |
| 11:40-12:30 |  |  |
|  |  |  |
| 13:40-14:30 |  |  |
| 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 |  |  |
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| **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 |  |
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| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
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| 17:40-18:30 |  |  |

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| **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 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
| 18:40-19:30 |  |  |
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| **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 |  |  |
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| **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 |  |  |
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| **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 | Biochemical aspect of nervous tissue | Dr. Saime Batırel |
| 16:40-17:30 | Biochemical aspect of nervous tissue | Dr. Saime Batırel |
| 17:40-18:30 |  |  |
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| **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 |  |  |
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| **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 | Histology of the nervous tissue | Dr. Serap Şirvancı |
| 14:40-15:30 | Histology of the nervous tissue | Dr. Serap Şirvancı |
| 15:40-16-30 | Elective course |  |
| 16:40-17:30 | Elective course |  |
| 17:40-18:30 |  |  |
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| **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 | Steroid and thyroid hormones | Dr. Erdi Sözen |
| 16:40-17:30 | Steroid and thyroid hormones | Dr. Erdi Sözen |
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| **Wednesday** | **19 April** |  |
| 08:40-09:30 | Learning memory and speech | Dr. Özgür Kasımay |
| 09:40-10:30 | Learning memory and speech | Dr. Özgür Kasımay |
| 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 | Elective course |  |
| 16:40-17:30 | Elective course |  |
| 17:40-18:30 |  |  |
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| **Thursday** | **20 April** |  |
| 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 |  |  |
| 17:40-18:30 |  |  |
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| **Friday** | **21 April** |  |
| 08:40-09:30 | **RAMAZAN BAYRAMI 1. GÜN** |  |
| 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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| **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 | Molecular genetics of nervous system | Dr. Ahmet İlter Güney |
| 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 |
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| **Wednesday** | **26 April** |  |
| 08:40-09:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner - - Dr. Pemra Cöbek Ünalan |
| 09:40-10:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner - - Dr. Pemra Cöbek Ünalan |
| 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 - - Dr. Pemra Cöbek Ünalan |
| 14:40-15:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner - - Dr. Pemra Cöbek Ünalan |
| 15:40-16:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner - - Dr. Pemra Cöbek Ünalan |
| 16:40-17:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner - - Dr. Pemra Cöbek Ünalan |
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| **Thursday** | **27 April** |  |
| 08:40-09:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner - - Dr. Pemra Cöbek Ünalan |
| 09:40-10:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner - - Dr. Pemra Cöbek Ünalan |
| 10:40-11:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner - - Dr. Pemra Cöbek Ünalan |
| 11:40-12:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner - - Dr. Pemra Cöbek Ünalan |
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| 13:40-14:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner - - Dr. Pemra Cöbek Ünalan |
| 14:40-15:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner - - Dr. Pemra Cöbek Ünalan |
| 15:40-16:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner - - Dr. Pemra Cöbek Ünalan |
| 16:40-17:30 | Multidisciplinary course: Socioeconomic and Cultural Parameters of Health | Dr. Arzu Uzuner - - Dr. Pemra Cöbek Ünalan |
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| **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 |  |
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| 13:40-14:30 |  |  |
| 14:40-15:30 | Chemical Mediators of Neurotransmission | Dr. Özgür Kasımay |
| 15:40-16:30 | Peripheral nervous system | Dr. Özgür Kasımay |
| 16:40-17:30 | Peripheral nervous system | Dr. Özgür Kasımay |
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| **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 |  |
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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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| **Tuesday** | **02 May** |  |
| 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 | PBL-1 |  |
| 15:40-16:30 | PBL-1 |  |
| 16:40-17:30 |  |  |
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| **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 |
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| 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 | Memory systems | Dr. Ayşe Sakallı Kani |
| 16:40-17:30 | Memory systems | Dr. Ayşe Sakallı Kani |
| 17:40-18:30 | Elective course |  |
| 18:40-19:30 | Elective course |  |
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| **Thursday** | **04 May** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 | Biophysics of auditory system | Dr. Banu Aydın Omay |
| 11:40-12:30 | Biophysics of auditory system | Dr. Banu Aydın Omay |
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| 13:40-14:30 | Histology LAB: Nervous Tissue - A | Multidisciplinary Lab. |
| 14:40-15:30 | Histology LAB: Nervous Tissue - A | Multidisciplinary Lab. |
| 15:40-16:30 | Histology LAB: Nervous Tissue - B | Multidisciplinary Lab. |
| 16:40-17:30 | Histology LAB: Nervous Tissue - B | Multidisciplinary Lab. |
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| **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 |  |
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| 13:40-14:30 |  |  |
| 14:40-15:30 | PBL-2 |  |
| 15:40-16:30 | PBL-2 |  |
| 16:40-17:30 |  |  |
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| **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: Neurocranium - A | Anatomy Lab. |
| 11:40-12:30 | Anatomy LAB: Neurocranium - B | Anatomy Lab. |
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| 13:40-14:30 | Anatomy of the ear | Dr. Necmettin Ömer Özdoğmuş |
| 14:40-15:30 | Anatomy of the ear | Dr. Necmettin Ömer Özdoğmuş |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 | Elective course |  |
| 18:40-19:30 | Elective course |  |
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| **Tuesday** | **09 May** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 | Anatomy LAB: Viscerocranium - A | Anatomy Lab. |
| 11:40-12:30 | Anatomy LAB: Viscerocranium - B | Anatomy Lab. |
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| 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 |  |  |
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| **Wednesday** | **10 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 | Medical English | Dr. Özge Emre |
| 11:40-12:30 | Medical English | Dr. Özge Emre |
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| 13:40-14:30 | Histology of the ear | Dr. Şule Çetinel |
| 14:40-15:30 | Histology of the ear | Dr. Şule Çetinel |
| 15:40-16:30 | Physiology of hearing | Dr. Alper Yıldırım |
| 16:40-17:30 | Physiology of hearing | Dr. Alper Yıldırım |
| 17:40-18:30 | Elective course |  |
| 18:40-19:30 | Elective course |  |
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| **Thursday** | **11 May** |  |
| 08:40-09:30 | Chemical senses | Dr. Alper Yıldırım |
| 09:40-10:30 | Vestibular system | Dr. Alper Yıldırım |
| 10:40-11:30 | Vestibular system | Dr. Alper Yıldırım |
| 11:40-12:30 | Cutaneous senses | Dr. Özgür Kasımay |
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| 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. |
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| **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 |  |
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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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| **Week-8 (15 May - 19 May 2023)** | | |
| **Monday** | **15 May** |  |
| 08:40-09:30 | Physiology LAB: Tests for vision and hearing physiology-A | Multidisciplinary Lab. |
| 09:40-10:30 | Physiology LAB: Tests for vision and hearing physiology-B | Multidisciplinary Lab. |
| 10:40-11:30 | Physiology LAB: Tests for vision and hearing physiology-C | Multidisciplinary Lab. |
| 11:40-12:30 | Biophysics LAB: Biofeedback and Reaction Time | Computer Lab. |
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| 13:40-14:30 | Biophysics LAB: Biofeedback and Reaction Time | Computer Lab. |
| 14:40-15:30 | Biophysics LAB: Biofeedback and Reaction Time | Computer Lab. |
| 15:40-16:30 |  |  |
| 17:40-18:30 | Elective course |  |
| 18:40-19:30 | Elective course |  |
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| **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 |  |
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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 |  |  |
| 17:40-18:30 |  |  |
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| **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 |
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| 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 |  |  |
| 18:40-19:30 |  |  |
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| **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 | PBL Study Time |  |
| 14:40-15:30 | PBL-5 |  |
| 15:40-16:30 | PBL-5 |  |
| 16:40-17:30 |  |  |
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| **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 |  |
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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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| **Week-9 (22 May – 26 May 2023)** | | |
| **Monday** | **22 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. |
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| 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 | Elective course |  |
| 18:40-19:30 | Elective course |  |
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| **Tuesday** | **23 May** |  |
| 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 |  |  |
| 17:40-18:30 |  |  |
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| **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 |
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| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
| 18:40-19:30 |  |  |
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| **Thursday** | **25 May** |  |
| 08:40-09:30 | **MASCO** |  |
| 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** | **26 May** |  |
| 08:40-09:30 | **MASCO** |  |
| 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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| **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 |  |  |
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| 13:40-14:30 |  |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 17:40-18:30 | Elective course |  |
| 18:40-19:30 | Elective course |  |
| **Tuesday** | **30 May** |  |
| 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 |  |  |
| 17:40-18:30 |  |  |
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| **Wednesday** | **31 May** |  |
| 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 |  |  |
| 17:40-18:30 |  |  |
| 18:40-19:30 |  |  |
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| **Thursday** | **01 June** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 | **Medical English Exam (ONLINE) (10:00)** |  |
| 10:40-11:30 |  |  |
| 11:40-12:30 |  |  |
|  |  |  |
| 13:40-14:30 | **ICP-1 Communication skills and introduction to medical interview exam ONLINE** |  |
| 14:40-15:30 |  |  |
| 15:40-16:30 |  |  |
| 16:40-17:30 |  |  |
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| **Friday** | **02 June** |  |
| 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 |  |  |
| 17:40-18:30 | Elective course |  |
| 18:40-19:30 | Elective course |  |
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| **Week-11 (05 June – 09 June 2023)** | | |
| **Monday** | **05 June** |  |
| 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 |  |  |
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| 17:40-18:30 |  |  |
| 18:40-19:30 |  |  |
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| **Tuesday** | **06 June** |  |
| 08:40-09:30 |  |  |
| 09:40-10:30 |  |  |
| 10:40-11:30 |  |  |
| 11:40-12:30 |  |
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| 13:40-14:30 |  |  |
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| 16:40-17:30 |  |  |
| 17:40-18:30 |  |  |
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| **Wednesday** | **07 June** |  |
| 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 |  |  |
| 17:40-18:30 |  |  |
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| **Thursday** | **08 June** |  |
| **10:00** | **Y1C4 THEORETICAL EXAM** | **Online** |
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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** | **09 June** |  |
| 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 |  |  |
| 17:40-18:30 |  |  |
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