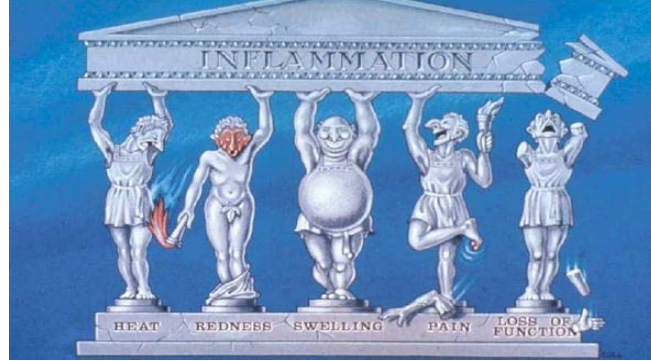




**MARMARA UNIVERSITY – EASTERN MEDITERRANEAN
UNIVERSITY INTERNATIONAL MEDICAL SCHOOL**



CELL AND TISSUE INJURY - I

YEAR 2 COURSE 1

Sep 11th, 2017 – Oct 26th, 2017

Year 2 Coordinators

Assoc. Prof., Özgür Kasımay ÇAKIR & Assist. Prof., Burak AKSU & Dr. Masoud AFSHANI

Module Coordinators

Assoc. Prof., Özlem SARIKAYA & Assist. Prof., H.
Eren SAKALLI

Introduction to Clinician Skills (ICS) Coordinators

Assoc. Prof., Pemra ÜNALAN & Assist. Prof. Dr.
Bülent SEZGIN

Coordinators of Clinical Skill Lab.

Assoc. Prof., Pemra ÜNALAN & Inst., Berfu Çerçi
ÖNGÜN

Coordinators of ICS Res. Lab.

Prof., Sibel SAKARYA & Assist. Prof., İlke AKÇAY

Coordinators of Multidisciplinary Students' Lab.

Assoc. Prof., Betül KARADEMİR & Assist. Prof.,
Mümtaz GÜRAN

Coordinators of Assessment Unite

Asist. Prof., Cevdet NACAR & Assist. Prof., Mümtaz
GÜRAN & Assist. Prof., Hasan TOPER & Assist. Prof.,
H. Eren SAKALLI

Vice-Chief Coordinators

Assessment

Asist. Prof., Cevdet NACAR & Assist. Prof., Mümtaz
GÜRAN

Students' Affairs

Asist. Prof., Can ERZİK & Assist. Prof., İlke AKÇAY

Chief Coordinator

Assoc. Prof., Hasan YANANLI & Assist. Prof.,
Mümtaz GÜRAN

**Coordinator of Medical Education Program
Evaluation and Development Commission**

Prof., Berrak Ç. YEĞEN

Educational Consultant

Assoc. Prof., Mehmet Ali GÜLPINAR	
Dean (EMU) Prof., Nahide GÖKÇORA	Dean (MU) Prof., Hakan GÜNDÜZ

LEARNING OUTCOMES / COMPETENCIES

- A. Clinical Care: Qualified patient care and community oriented health care**
 - 1. Basic clinical skills
 - 2. The organization and management of the patient and the patient care
 - 3. The organization and the management of health care delivery services / system
 - 4. Health promotion and disease prevention
- B. Medical Knowledge and Evidence-Based Medicine**
 - 5. Appropriate information retrieval and management skills
 - 6. The integration of knowledge, critical thinking and evidence-based decision making
 - 7. Scientific methods and basic research skills
- C. Professional Attitudes and Values**
 - 8. Communication skills and effective communication with patients / patient relatives
 - 9. Interpersonal relationships and team working
 - 10. Ethical and professional values, responsibilities
 - 11. Individual, social and cultural values and responsibilities
 - 12. Reflective practice and continuing development
 - 13. Healthcare delivery systems, management and community oriented health care
 - 14. 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 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

CELL AND TISSUE INJURY – I

AIM and LEARNING OBJECTIVES of COURSE

Aim: At the end of this course, second year students will be able to broaden their basic science knowledge to include the understanding of how certain alterations in bodily processes may manifest as disease and gain fundamental knowledge about the processes underlying human diseases, as the scientific foundation for developing clinical skills.

Learning Objectives: At the end of this course, second year students will,

- describe using proper nomenclature, the etiology, pathogenesis, structural and functional changes at cellular and tissue level;
- describe in detail what happens to cells and tissues in response to abnormal stimuli;
- explain the basic principles of human immune system as it relates to defense against disease (innate, humoral, cell mediated);
- describe the principles of classifying infectious microorganisms and their pathogenic properties;
- gain knowledge about viruses and viral pathogenesis;
- gain knowledge about parasites and pathogenesis of parasitic diseases;
- identify major drug classes and prototype drug(s) for each class.

<p style="text-align: center;">ASSESSMENT SYSTEM</p> <p>Module examination: Written exam at the end of the course and performance during the module</p> <p>Practical examination: Practical exams at the end of course</p> <p>Course examination: Written exam at the end of course</p>	<p style="text-align: center;">PROGRAM EVALUATION</p> <p>Evaluation at the end of the course, is done both orally and by using structured evaluation forms</p>
<p>DEPARTMENTS PARTICIPATING IN COURSE-2.1</p>	
<ul style="list-style-type: none"> <input type="checkbox"/> Biochemistry <input type="checkbox"/> Biophysics <input type="checkbox"/> Child Health and Diseases <input type="checkbox"/> Family Medicine <input type="checkbox"/> Immunology <input type="checkbox"/> Medical Genetics 	<ul style="list-style-type: none"> <input type="checkbox"/> Microbiology <input type="checkbox"/> Nuclear Medicine <input type="checkbox"/> Pathology <input type="checkbox"/> Pharmacology <input type="checkbox"/> Physiology
<p>LECTURERS / TUTORS</p>	
<p>Ahmet ARMAN, Professor of Medical Genetics Ahmet İlater GÜNEY, Assist. Professor of Medical Genetics Atila KARAALP, Professor of Clinical Pharmacology Ayşegül KARAHASAN, Professor of Microbiology Alper YILDIRIM, Assist. Professor of Physiology Betül KARADEMİR, Assoc. Professor of Biochemistry Bülent Sezgin, Assist. Professor of Internal Medicine Cemal GÜRKAN, Instructor of Forensic Sciences Çiğdem ATAİZİ ÇELİKEL, Professor of Pathology Deniz FILINTE, Assist. Professor of Medical Pathology Duygu GENÇALP, Instructor of Biochemistry Elif DAĞLI, Professor of Child Health and Disease Emine Özeriç, Instructor of Turkish Language Ergül ALTUNDAĞ, Assist. Prof. of Biochemistry Goncagül HAKLAR, Professor of Medical Biochemistry Güner SÖYLEDİR, Professor of Microbiology Günseli Ayşe GARİP İLHAN, Assoc. Professor of Biophysics Halil Eeren SAKALLI, Assist. Prof. of Clinical Pharmacology Handan KAYA, Professor of Medical Pathology Hızır KURTEL, Professor of Physiology Hülya CABADAK, Assoc. Professor of Biophysics İlke AKÇAY, Assist. Professor of Biostatistics İpek ERBARUT, Assist. Professor of Medical Pathology</p>	<p>Mehmet Burak AKSU, Assist. Professor of Medical Microbiology Mevhibe HOCAOĞLU, Assist. Professor of Public Health Münevver Ufuk Över HASDEMİR, Professor of Medical Microbiology Mümtaz GÜRAN, Assist. Prof. of Medical Microbiology Nahide GÖKÇORA, Professor of Nuclear Medicine Nevber İSTİLLOZLU, Instructor of Turkish Language Nilgün ÇERİKÇIOĞLU, Professor of Medical Microbiology Nurtane KARAGİL, Instructor of Arts and Crafts Nurver ÜLGER, Assoc. Professor of Medical Microbiology Pelin BAĞCI, Assoc. Professor of Medical Pathology Pınar ATA, Assoc. Professor of Medical Genetics Pınar Mega TİBER, Assist. Professor of Biophysics Rezzan GÜLHAN, Professor of Pharmacology Serap ÇIFÇILI, Assoc. Professor of Family Medicine Süheyla BOZKURT, Assoc. Professor of Pathology Şirin Funda EREN, Professor of Medical Pathology Tunç AKKOÇ, Professor of Pediatrics Zeynep Arzu İLKİ, Assoc. Professor of Medical Microbiology Yaşar İnci ALİCAN, Professor of Physiology Zafer GÖREN, Professor of Pharmacology</p>

READING / STUDYING MATERIALS

- Basics and Clinical Pharmacology (Bertram G Katzung).
- Clinical Pharmacology (Laurence DR, Bennet PN).
- Pharmacological Basis of Therapeutics (Goddman & Gilman's).
- Radiation protection, Ch.5 (Mary Alice Statkiewicz)
- Radiobiology for the radiologist (Eric J. Hall)
- Physics of Life Sciences (Alan H. Cromer)
- Clinical Biophysics (Anbar)
- Radiologic Science for Technologist (S.C. Bushong)
- Textbook of Physiology (Guyton AC).
- Basic Pathology (Stanley L. Robbins, Marcia Angel, Vinay Kumar).
- Histology and Cell Biology: An Introduction to Pathology (Abraham L. Kierszenbaum).
- Review Medical Microbiology (Ernest Jawetz et al.).
- Medical Microbiology (Cedric Mims et al.).
- Review of Medical Microbiology (Patric R. Murray, Ken S. Rosenthal).
- Cellular and Molecular Immunology 5th Edition (Abbas, Lichtman).
- Kuby Immunology 4th Edition (Goldsby, Kindt, Osborne).
- Immunobiology 6th Edition (Janeway, Travers, Walport, Schlomchik).
- Immunology, Infection and Immunity (Pier, Lyczak, Wetzler)

SUMMARY OF THE COURSE 2.1			
Discipline	Lecture & Group Discussion	Multidisciplinary Lab. & Clinical Skills Lab. Practice	Total
Biochemistry	4		4
Biophysics	12		12
Child Health and Diseases	2		2
Family Medicine	1		2
Immunology	12		12
Microbiology	25	8	33
Nuclear Medicine	2		2
Pathology	16	7	23
Pharmacology	17		17
Physiology	5		5
Medical Genetics	7		7
Subtotal	103	15	118
ICS-2: Basic Clinical Skills, Human in Medicine		1	1
ICS-2: Students Research Activity		6	6
TFMS 201-Communication in Turkish-II	24		24
Elective Course-II MDCN181 MDCN182 MDCN184	4		4
TOTAL	131	22	153

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	THEORETICAL AND PRACTICAL SESSIONS	LECTURER/TUTOR
1st WEEK (11 Sep – 15 Sep, 2017)		
Monday	11 September	
08:40-09:30	Communication in Turkish-II	Inst. Emine Özerinç
09:40-10:30	Communication in Turkish-II	Inst. Emine Özerinç
10:40-11:30	Communication in Turkish-II	Inst. Emine Özerinç
11:40-12:30	Communication in Turkish-II	Inst. Emine Özerinç
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Tuesday	12 September	
08:40-09:30	STUDY TIME	
09:40-10:30	Introduction to the course and opening lecture	Dr. Mümtaz Güran
10:40-11:30	Introduction to pharmacology	Dr. Atila Karaalp
11:40-12:30	Routes of drug administration	Dr. Atila Karaalp
13:40-14:30	Radioactivity: the decay law; physical half-life, biological halflife	Dr. Pınar Mega Tiber
14:40-15:30	Radioactivity: the decay law; physical half-life, biological halflife	Dr. Pınar Mega Tiber
15:40-16:30	Types of radiation	Dr. Pınar Mega Tiber
16:40-17:30	Types of radiation	Dr. Pınar Mega Tiber
Wednesday	13 September	
08:40-09:30	Interaction of radiation with matter	Dr. Pınar Mega Tiber
09:40-10:30	Interaction of radiation with matter	Dr. Pınar Mega Tiber
10:40-11:30	Dosimetry, basic concepts	Dr. Pınar Mega Tiber
11:40-12:30	Electromagnetic spectrum	Dr. Pınar Mega Tiber

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13:40-14:30	Microbiology of water, milk and air	Dr. Nilgün Çerikçioğlu
14:40-15:30	Human microbiota	Dr. Nilgün Çerikçioğlu
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Thursday	14 September	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	Biochemical aspect of cell death	Dr. Goncagül Haklar
14:40-15:30	Biochemical aspect of cell death	Dr. Goncagül Haklar
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Friday	15 September	
08:40-09:30	Molecular mechanisms of necrosis and apoptosis	Dr. Ahmet Arman
09:40-10:30	Signal transduction of inflammation	Dr. Ahmet Arman
10:40-11:30	General pharmacokinetic principles-1	Dr. Rezzan Gülhan
11:40-12:30	General pharmacokinetic principles-2	Dr. Rezzan Gülhan
13:40-14:30	General pharmacokinetic principles-3	Dr. Rezzan Gülhan
14:40-15:30	General pharmacokinetic principles-4	Dr. Rezzan Gülhan
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
2nd Week (September 18-22, 2017)		
Monday	18 September	
08:40-09:30	Communication in Turkish-II	Inst. Nevber İstillozlu
09:40-10:30	Communication in Turkish-II	Inst. Nevber İstillozlu

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10:40-11:30	Communication in Turkish-II	Inst. Nevber İstillozlu
11:40-12:30	Communication in Turkish-II	Inst. Nevber İstillozlu
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Tuesday	19 September	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	Microbial pathogenicity and virulence	Dr. Zeynep Arzu İlki
14:40-15:30	Cultivation and identification of bacteria	Dr. Zeynep Arzu İlki
15:40-16:30	Mechanism of drug action	Dr. Zafer Gören
16:40-17:30	Mechanism of drug action	Dr. Zafer Gören
Wednesday	20 September	
08:40-09:30	STUDY TIME	
09:40-10:30	Autocoids	Dr. Zafer Gören
10:40-11:30	Autocoids	Dr. Zafer Gören
11:40-12:30	Autocoids	Dr. Zafer Gören
13:40-14:30	Cell injury and cell death	Dr. Handan Kaya
14:40-15:30	Cell injury and cell death	Dr. Handan Kaya
15:40-16:30	Chronic inflammatory response	Dr. Handan Kaya
16:40-17:30	STUDY TIME	
Thursday	21 September	

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08:40-09:30	STUDY TIME	
09:40-10:30	Effects of the electromagnetic waves on human health	Dr. Günseli Ayşe Garip İhan
10:40-11:30	Transplantation pathology	Dr. Handan Kaya
11:40-12:30	Amyloidosis	Dr. Handan Kaya
13:40-14:30	Pathogenesis of parasitic disease	Dr. Nurver Ülger
14:40-15:30	Blood and tissue protozoa	Dr. Nurver Ülger
15:40-16:30	Adaptive cell reactions and abnormal accumulations	Dr. İpek Erbarut
16:40-17:30	STUDY TIME	
Friday	22 September	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Intestinal and urogenital protozoa	Dr. Nurver Ülger
11:40-12:30	Intestinal and tissue nematodes	Dr. Nurver Ülger
13:40-14:30	Intestinal and tissue nematodes	Dr. Nurver Ülger
14:40-15:30	Cestodes and trematodes	Dr. Nurver Ülger
15:40-16:30	Acute inflammatory response	Dr. Deniz Filinte
16:40-17:30	Acute inflammatory response	Dr. Deniz Filinte
3rd Week (25-29 September 2017)		
Monday	25 September	
08:40-09:30	Communication in Turkish-II	Inst. Nevber İstillozlu
09:40-10:30	Communication in Turkish-II	Inst. Nevber İstillozlu
10:40-11:30	Communication in Turkish-II	Inst. Nevber İstillozlu
11:40-12:30	Communication in Turkish-II	Inst. Nevber İstillozlu
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	

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Tuesday	26 September	
08:40-09:30	Bioterrorism: a global threat	Dr. Ayşegül Karahasan
09:40-10:30	DNA viruses: Adenoviruses, Parvoviruses, Papavoviruses, and Poxviruses	Dr. Ayşegül Karahasan
10:40-11:30	RNA viruses: Orthomyxoviruses and Paramyxoviruses	Dr. Ayşegül Karahasan
11:40-12:30	RNA viruses: Togaviruses, Bunyaviruses, Flaviviruses and other RNA viruses	Dr. Ayşegül Karahasan
13:40-14:30	Mechanism of viral pathogenesis	Dr. Güner Söyledir
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Wednesday	27 September	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Microbial toxins	Dr. Güner Söyledir
11:40-12:30	Hepatitis viruses	Dr. Güner Söyledir
13:40-14:30	Host parasite interactions	Dr. Güner Söyledir
14:40-15:30	Host parasite interactions	Dr. Güner Söyledir
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Thursday	28 September	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Introduction to pathology	Dr. Şirin Funda Eren
11:40-12:30	Pathology LAB: General principals of macroscopic evaluation (slide lecture)	Dr. Şirin Funda Eren
13:40-14:30	Introduction to innate immune system	Dr. Tunç Akkoç

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14:40-15:30	Chemokines, neutrophils and monocytes in innate immunity, immunoglobulins: Structure and function, antigen & antibody interactions	Dr. Tunç Akkoç
15:40-16:30	Chemokines, neutrophils and monocytes in innate immunity, immunoglobulins: Structure and function, antigen & antibody interactions	Dr. Tunç Akkoç
16:40-17:30	Major histocompatibility complex (MHC) molecules, antigen processing and presentation	Dr. Tunç Akkoç
Friday	29 September	
08:40-09:30	STUDY TIME	
09:40-10:30	Cytokines	Dr. Tunç Akkoç
10:40-11:30	Cytokines	Dr. Tunç Akkoç
11:40-12:30	Development of T cells, T lymphocyte signaling mechanisms and activation	Dr. Tunç Akkoç
13:40-14:30	B Lymphocyte: Development and biology	Dr. Tunç Akkoç
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
4th Week (02-06 October 2017)		
Monday	02 October	
08:40-09:30	Communication in Turkish-II	Inst. Nevber İstillozlu
09:40-10:30	Communication in Turkish-II	Inst. Nevber İstillozlu
10:40-11:30	Communication in Turkish-II	Inst. Nevber İstillozlu
11:40-12:30	Communication in Turkish-II	Inst. Nevber İstillozlu
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Tuesday	03 October	
08:40-09:30	STUDY TIME	

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09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	Basic principles of immunopathology	Dr. Süheyla Bozkurt
14:40-15:30	Pathology of hypersensitivity reactions	Dr. Süheyla Bozkurt
15:40-16:30	Pathology of autoimmune disorders	Dr. Süheyla Bozkurt
16:40-17:30	STUDY TIME	
Wednesday	04 October	
08:40-09:30	Health effects of tobacco	Dr. Elif Dağlı
09:40-10:30	Health effects of tobacco	Dr. Elif Dağlı
10:40-11:30	Pharmacogenetics	Dr. Ahmet İlter Güney
11:40-12:30	Pharmacogenetics	Dr. Ahmet İlter Güney
13:40-14:30	Molecular and radiobiological behavior	Dr. Hülya Cabadak
14:40-15:30	Effects of ionizing radiation on the cell and organism	Dr. Hülya Cabadak
15:40-16:30	Radiation protection	Dr. Hülya Cabadak
16:40-17:30	STUDY TIME	
Thursday	05 October	
08:40-09:30	Tissue renewal and repair: regeneration, healing and fibrosis	Dr. Pelin Bağcı
09:40-10:30	Pathology LAB: Cell response to injury and adaptive cell reactions	Dr. Pelin Bağcı
10:40-11:30	Pathology LAB: Cell response to injury and adaptive cell reactions	Dr. Pelin Bağcı
11:40-12:30	Pathology LAB: Cell response to injury and adaptive cell reactions	Dr. Pelin Bağcı
13:40-14:30	Pathology LAB: Changes in the size, consistency, color, and composition of organs-A	Dr. Pelin Bağcı
14:40-15:30	Pathology LAB: Changes in the size, consistency, colour, and composition of organs-A	Dr. Pelin Bağcı
15:40-16:30	Pathology LAB: Changes in the size, consistency, colour, and composition of organs-A	Dr. Pelin Bağcı
16:40-17:30	Tissue and organ response to radiation and genetic effects of radiation	Dr. Nahide Gökçora

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Friday	06 October	
08:40-09:30	ICS-2 Research: Student Research Activity	Dr. İlke Akçay Dr. Mevhibe Hocaoğlu
09:40-10:30	ICS-2 Research: Student Research Activity	Dr. İlke Akçay Dr. Mevhibe Hocaoğlu
10:40-11:30	Physiology of microcirculation and edema formation	Dr. Hızır Kurtel
11:40-12:30	Physiology of microcirculation and edema formation	Dr. Hızır Kurtel
13:40-14:30	Haemodynamic disorders	Dr. Çiğdem Ataizi Çelikel
14:40-15:30	Thromboembolic disease	Dr. Çiğdem Ataizi Çelikel
15:40-16:30	Thromboembolic disease	Dr. Çiğdem Ataizi Çelikel
16:40-17:30	STUDY TIME	
5th Week (09-13 October 2017)		
Monday	09 October	
08:40-09:30	Communication in Turkish-II	Inst. Nevber İstillozlu
09:40-10:30	Communication in Turkish-II	Inst. Nevber İstillozlu
10:40-11:30	Communication in Turkish-II	Inst. Nevber İstillozlu
11:40-12:30	Communication in Turkish-II	Inst. Nevber İstillozlu
13:40-14:30	Elective Course-II MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
14:40-15:30	Elective Course-II MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Tuesday	10 October	

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08:40-09:30	ICS-2 Research: Research Proposal Workshop	Dr. İlke Akçay Dr. Mevhibe Hocaoğlu
09:40-10:30	ICS-2 Research: Research Proposal Workshop	Dr. İlke Akçay Dr. Mevhibe Hocaoğlu
10:40-11:30	ICS-2 Research: Research Proposal Workshop	Dr. İlke Akçay Dr. Mevhibe Hocaoğlu
11:40-12:30	ICS-2 Research: Research Proposal Workshop	Dr. İlke Akçay Dr. Mevhibe Hocaoğlu
13:40-14:30	Cellular aging and death	Dr. Pınar Ata
14:40-15:30	Immunogenetics of transplantation	Dr. Pınar Ata
15:40-16:30	Immunogenetics of transplantation	Dr. Pınar Ata
16:40-17:30	STUDY TIME	
Wednesday	11 October	
08:40-09:30	Eicosanoids and related compounds	Dr. Ergül Altundağ
09:40-10:30	Eicosanoids and related compounds	Dr. Ergül Altundağ
10:40-11:30	Microbiology LAB: Normal body flora-I	Dr. Mümtaz Güran
11:40-12:30	Microbiology LAB: Normal body flora-I	Dr. Mümtaz Güran
13:40-14:30	Body temperature and its regulation	Dr. Yaşar İnci Alican
14:40-15:30	Body temperature and its regulation	Dr. Yaşar İnci Alican
15:40-16:30	Pharmacotherapy in parasitic infections	Dr. Halil Eeren Sakallı
16:40-17:30	Pharmacotherapy of viral infections	Dr. Halil Eeren Sakallı
Thursday	12 October	
08:40-09:30	Microbiology LAB: Normal body flora-II	Dr. Mümtaz Güran
09:40-10:30	Microbiology LAB: Normal body flora-II	Dr. Mümtaz Güran
10:40-11:30	Application of nuclear medicine and radiotherapy	Dr. Nahide Gökçora
11:40-12:30	Physiology of pain	Dr. Alper Yıldırım
13:40-14:30	Bridging innate and adaptive immunity dendritic cells, NK cells, NKT cells and other innate-like T and B lineages	Dr. Tunç Akkoç
14:40-15:30	Structure and function of complement system	Dr. Tunç Akkoç

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15:40-16:30	Laboratory diagnosis of viral infections	Dr. Mehmet Burak Aksu
16:40-17:30	Laboratory diagnosis of viral infections	Dr. Mehmet Burak Aksu
Friday	13 October	
08:40-09:30	STUDY TIME	
09:40-10:30	Immune responses to extracellular and intracellular infections	Dr. Tunç Akkoç
10:40-11:30	Immune responses to extracellular and intracellular infections	Dr. Tunç Akkoç
11:40-12:30	Miscellaneous viruses; Coronavirus, Flavivirus, Calicivirus	Dr. Burak Aksu
13:40-14:30	Microbiology LAB: Examination of protozoa	Dr. Mümtaz Güran
14:40-15:30	Microbiology LAB: Examination of protozoa	Dr. Mümtaz Güran
15:40-16:30	Microbiology LAB: Examination of helminths and medically important arthropods	Dr. Burak Aksu
16:40-17:30	Microbiology LAB: Examination of helminths and medically important arthropods	Dr. Burak Aksu
6th Week (16-20 October 2017)		
Monday	16 October	
08:40-09:30	Communication in Turkish-II	Inst. Nevber İstillozlu
09:40-10:30	Communication in Turkish-II	Inst. Nevber İstillozlu
10:40-11:30	Communication in Turkish-II	Inst. Nevber İstillozlu
11:40-12:30	Communication in Turkish-II	Inst. Nevber İstillozlu
13:40-14:30	Elective Course-II MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
14:40-15:30	Elective Course-II MDCN181 – Theoretical and Applied Forensic Sciences MDCN182 – Arts and Crafts for Medical Students MDCN184 – Laboratory Techniques in Medicine	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Duygu Gençalp
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Tuesday	17 October	

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08:40-09:30	STUDY TIME	
09:40-10:30	Basic principles of drug toxicity	Dr. Halil Eren Sakallı
10:40-11:30	Introduction to chemotherapeutics	Dr. Halil Eren Sakallı
11:40-12:30	Antiseptics and disinfectants	Dr. Halil Eren Sakallı
13:40-14:30	Drug-induced immune response and anti-allergic treatment	Dr. Halil Eren Sakallı
14:40-15:30	ICS-2: Introduction to ICS-2	Dr. Serap Çifçili, Dr. Bülent Sezgin
15:40-16:30	Patient with fever and rash	Dr. Serap Çifçili
16:40-17:30	STUDY TIME	
Wednesday	18 October	
08:40-09:30	STUDY TIME	
09:40-10:30	DNA viruses: Herpes viruses	Dr. Münevver Ufuk Över Hasdemir
10:40-11:30	RNA viruses: Picornaviruses, Rhabdoviruses and Reoviruses	Dr. Münevver Ufuk Över Hasdemir
11:40-12:30	RNA viruses: Retroviruses and HIV	Dr. Münevver Ufuk Över Hasdemir
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Thursday	19 October	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	

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15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Friday	20 October	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
	7th Week (23-27 October 2017)	
Monday	23 October	
08:40-09:30	PRACTICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	PRACTICAL EXAM	
14:40-15:30		
15:40-16:30		
16:40-17:30		
Tuesday	24 October	
08:40-09:30	PRACTICAL EXAM	
09:40-10:30		

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10:40-11:30		
11:40-12:30		
13:40-14:30	PRACTICAL EXAM	
14:40-15:30		
15:40-16:30		
16:40-17:30		
Wednesday	25 October	
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	26 October	
08:40-09:30	Y2C1 THEORETICAL EXAM 9:30 A.M.	
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		

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