



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



**CELL AND TISSUE INJURY - II
YEAR 2 COURSE 2
October 30th, 2017- December 22nd, 2017**

Year 2 Coordinators

Assoc. Prof., Özgür Kasımay ÇAKIR & Assist. Prof., Burak AKSU & Instructor. 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., Mevhibe HOCAOĞLU

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., Mevhibe HOCAOĞLU & 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 Coordinators

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 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 - II

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 understand 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,

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

ASSESSMENT SYSTEM

Module examination: Written exam at the end of the course and performance during the module

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-2.1

- Biochemistry
- Microbiology
- Family Medicine
- Immunology

- Pathology
- Pharmacology
- Public Health

LECTURERS / TUTORS

Ahmet TOPUZOĞLU, Assoc. Professor of Public Health

Arzu İLKİ, Assoc. Professor of Microbiology

Aydın KARAKUZU, Professor of Cardiovascular Surgery

Ayşegül KARAHASAN, Professor of Microbiology

Berfu Çerçi ÖNGÜN, Instructor of Anatomy

Bülent SEZGİN, Assist. Prof. Of Internal Medicine

Deniz FİLİNTE, Assoc. Prof. Of Pathology

Filiz ONAT, Professor of Pharmacology

Güner SÖYLETİR, Professor of Microbiology

Halil Eren Sakallı, Assist. Professor of Pharmacology

Handan KAYA, Professor of Pathology

Hasan TOPER, Assist. Professor of Pathology

İlke Akçay, Assist. Prof. of Biostatistics

İpek ERBARUT, Assist. Professor of Pathology

Kemal BERKMAN, Professor of Pharmacology

Kemal TÜRKÖZ, Assist. Professor of Pathology

Masoud AFSHANI, Instructor of Histology & Embryology

Medine GÜLÇEBİ İDRİZOĞLU, Assist. Prof. of Pharmacology

Mehmet AKMAN, Assoc. Professor of Family Medicine

Mevhibe HOCAOĞLU, Assist. Professor of Public Health

Mümtaz GÜRAN, Assist. Professor of Microbiology

Nevber İSTİLLOZLU, Instructor of Turkish Language

Nilgün ÇERİKÇİOĞLU, Professor of Microbiology

Nurver ÜLGER, Assoc. Professor of Microbiology

Önder ŞİRİKÇİ, Professor of Biochemistry

Sibel SAKARYA, Professor of Public Health

Sinem YILDIZ, Assist. Professor of Medical Education

Şirin Funda EREN, Professor of Pathology

Tunç AKKOÇ, Professor of Child Health and Disease

Ufuk HASDEMİR, Professor of Microbiology

Umut Altunç, Instructor of Child Health and Disease
Zafer GÖREN, Professor of Pharmacology

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 (CedricMims et al.)
- Review of Medical Microbiology (Patrie 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

Discipline	Lecture & Group Discussion	Multidisciplinary Lab. & Clinical Skills Lab. Practice	Total
Biochemistry	2		2
Immunology	8		8
Family Medicine	1		1
Microbiology	34	20	54
Pathology	18	4	22
Pharmacology	10		10
Public Health	10	4	14
Subtotal	83	28	111
ICS-2: Student Research Activity (SRA)	17		17
ICS-2: History Taking and Introduction to Physical examination		24	24
Elective Course-II MDCN181 MDCN182 MDCN184	14		14
Communication in Turkish-II	28		28
PBL MODULE	8		8
TOTAL	150	52	202

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	THEORETICAL AND PRACTICAL SESSIONS	LECTURER(S)/TUTOR(S)
Week 1 (30 October-03 November 2017)		
Monday	30 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	Introduction to the course and opening lecture	Dr. Mümtaz Güran
16:40-17:30	STUDY TIME	
Tuesday	31 October	
08:40-09:30	ICS-2: History Taking and Introduction to Physical Examination	Main Instructor: Dr. Bülent Sezgin Small Group Instructors: Dr. Berfu Çerçi Öngün, Dr. Aydın Karakuzu, Dr. Halil Eren Sakallı, Dr. Hasan Topper, Dr. Umut Altunç
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Wednesday	01 November	
08:40-09:30	Chain of infection: Case studies: Measles, Malaria, Tetanus	Dr. Sibel Sakarya
09:40-10:30	Chain of infection: Case studies: Tbc, Brucellosis, Hepatitis	Dr. Sibel Sakarya
10:40-11:30	Investigation of an epidemic	Dr. Sibel Sakarya
11:40-12:30	Investigation of an epidemic-Definitions	Dr. Sibel Sakarya
13:40-14:30	Neoplasia: Definition and biology of tumor	Dr. Şirin Funda Eren
14:40-15:30	Neoplasia: Definition and biology of tumor	Dr. Şirin Funda Eren
15:40-16:30	Neoplasia: Nomenclature	Dr. Şirin Funda Eren
16:40-17:30	Neoplasia: Nomenclature	Dr. Şirin Funda Eren
Thursday	02 November	
08:40-09:30	ICS-2 SRA: Research Proposal Workshop	Dr. İlke Akçay, Dr. Mevhibe B Hocaoğlu

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09:40-10:30	ICS-2 SRA: Research Proposal Workshop	Dr. İlke Akçay, Dr. Mevhibe B Hocaoğlu
10:40-11:30	ICS-2 SRA: Research Proposal Workshop	Dr. İlke Akçay, Dr. Mevhibe B Hocaoğlu
11:40-12:30	ICS-2 SRA: Research Proposal Workshop	Dr. İlke Akçay, Dr. Mevhibe B Hocaoğlu
13:40-14:30	Definitions used in the chain of infection	Dr. Ahmet Topuzoğlu
14:40-15:30	Investigation and management of outbreaks: Case examples	Dr. Ahmet Topuzoğlu
15:40-16:30	Investigation and management of outbreaks: Case examples	Dr. Ahmet Topuzoğlu
16:40-17:30	Active and passive immunization	Dr. Ahmet Topuzoğlu
Friday	03 November	
	Infection prevention at health care facilities and waste disposal	Dr. Ahmet Topuzoğlu
09:40-10:30	Infection prevention at health care facilities and waste disposal	Dr. Ahmet Topuzoğlu
10:40-11:30	Mechanisms of neoplasia and tumor markers	Dr. Önder Şirikçi
11:40-12:30	Mechanisms of neoplasia and tumor markers	Dr. Önder Şirikçi
13:40-14:30	Public Health LAB: Infection Prevention: Field Study-Group A	Dr. Ahmet Topuzoğlu, Dr. Mevhibe B Hocaoğlu
14:40-15:30	Public Health LAB: Infection Prevention: Field Study-Group A	Dr. Ahmet Topuzoğlu, Dr. Mevhibe B Hocaoğlu
15:40-16:30	Public Health LAB: Infection Prevention: Field Study-Group B	Dr. Ahmet Topuzoğlu, Dr. Mevhibe B Hocaoğlu
16:40-17:30	Public Health LAB: Infection Prevention: Field Study-Group B	Dr. Ahmet Topuzoğlu, Dr. Mevhibe B Hocaoğlu
Week 2 (06 November -10 November 2017)		
Monday	06 November	
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	07 November	
08:40-09:30	ICS-2: History Taking and Introduction to Physical Examination	Main Instructor: Dr. Bülent Sezgin Small Group Instructor: Dr. Umut Altunç
09:40-10:30		
10:40-11:30		
11:40-12:30		

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13:40-14:30	Neoplasia: Epidemiology and etiopathogenesis	Dr. Handan Kaya
14:40-15:30	Neoplasia: Epidemiology and etiopathogenesis	Dr. Handan Kaya
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Wednesday	08 November	
08:40-09:30	Neoplasia: Molecular basis of cancer	Dr. Handan Kaya
09:40-10:30	Neoplasia: Molecular basis of cancer	Dr. Handan Kaya
10:40-11:30	Neoplasia: Molecular basis of cancer	Dr. Handan Kaya
11:40-12:30	Neoplasia: Tumor immunity and clinical features of tumor	Dr. Handan Kaya
13:40-14:30	Inflammation, immune regulation	Dr. Tunç Akkoç
14:40-15:30	Aberrations in immune responses-Hypersensitivity reactions	Dr. Tunç Akkoç
15:40-16:30	Aberrations in immune responses-Hypersensitivity reactions	Dr. Tunç Akkoç
16:40-17:30	Immunity to cancers	Dr. Tunç Akkoç
Thursday	09 November	
08:40-09:30	Aberrations in immune responses- Immunodeficiencies	Dr. Tunç Akkoç
09:40-10:30	Aberrations in Immune Responses-Immunologic mechanisms of allergic diseases	Dr. Tunç Akkoç
10:40-11:30	Tolerance and autoimmunity	Dr. Tunç Akkoç
11:40-12:30	Transplantation immunology	Dr. Tunç Akkoç
13:40-14:30	Introduction to primary care and family medicine	Dr. Mehmet Akman
14:40-15:30	Tissue responses to infections	Dr. İpek Erbarut
15:40-16:30	Infectious diseases-Morphologic patterns of injury-1	Dr. İpek Erbarut
16:40-17:30	STUDY TIME	
Friday	10 November	
08:40-09:30	Commemoration Ceremony for Atatürk at CL Square	
09:40-10:30		
10:40-11:30	PBL MODULE-1	Dr. Mevhibe B. Hocaoğlu, Dr. Halil Eren Sakallı, Dr. Ergül Altundağ, Inst. Masoud Afshani
11:40-12:30	PBL MODULE-1	Dr. Mevhibe B. Hocaoğlu, Dr. Halil Eren Sakallı, Dr. Ergül Altundağ, Inst. Masoud Afshani
13:40-14:30	ICS-2 SRA: Research Proposal Workshop	Dr. İlke Akçay, Dr. Mevhibe B Hocaoğlu
14:40-15:30	ICS-2 SRA: Research Proposal Workshop	Dr. İlke Akçay, Dr. Mevhibe B Hocaoğlu
15:40-16:30	ICS-2 SRA: Research Proposal Workshop	Dr. İlke Akçay, Dr. Mevhibe B Hocaoğlu

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16:40-17:30	ICS-2 SRA: Research Proposal Workshop	Dr. İlke Akçay, Dr. Mevhibe B Hocaoğlu
Week 3 (13-17 November 2017)		
Monday	13 November	
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	14 November	
08:40-09:30	ICS-2 SRA: Research Proposal Workshop	Dr. İlke Akçay, Dr. Mevhibe B Hocaoğlu
09:40-10:30	ICS-2 SRA: Research Proposal Workshop	Dr. İlke Akçay, Dr. Mevhibe B Hocaoğlu
10:40-11:30	ICS-2 SRA: Research Proposal Workshop	Dr. İlke Akçay, Dr. Mevhibe B Hocaoğlu
11:40-12:30	ICS-2 SRA: Research Proposal Workshop	Dr. İlke Akçay, Dr. Mevhibe B Hocaoğlu
13:40-14:30		
14:40-15:30	Staphylococci and their pathogenic properties	Dr. Ufuk Hasdemir
15:40-16:30	Antimicrobial actions and resistance mechanisms to antimicrobials in bacteria	Dr. Ufuk Hasdemir
16:40-17:30	Principles of antimicrobial susceptibility testing	Dr. Ufuk Hasdemir
Wednesday	15 November	
08:40-09:30	TRNC REPUBLIC 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		
Thursday	16 November	
08:40-09:30		

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09:40-10:30		
10:40-11:30	Neisseria, Moraxella and their pathogenic properties	Dr. Zeynep Arzu İlki
11:40-12:30	Gram negative small nonenteric bacilli (Haemophilus, Brucella, Bordetella) and their pathogenic properties	Dr. Zeynep Arzu İlki
13:40-14:30	Gram negative curved bacilli (Vibrio, Campylobacter, Helicobacter) and their pathogenic properties	Dr. Zeynep Arzu İlki
14:40-15:30	General approach to the laboratory diagnosis of infectious diseases	Dr. Zeynep Arzu İlki
15:40-16:30	Microbiology LAB: Examination of gram positive & gram-negative cocci-I	Dr. Zeynep Arzu İlki, Dr. Mümtaz Güran
16:40-17:30	Microbiology LAB: Examination of gram positive & gram-negative cocci-I	Dr. Zeynep Arzu İlki, Dr. Mümtaz Güran
Friday	17 November	
08:40-09:30	Mycobacteria, related microorganisms (Actinomyces, Nocardia) and their pathogenic properties	Dr. Zeynep Arzu İlki
09:40-10:30	Mycobacteria, related microorganisms (Actinomyces, Nocardia) and their pathogenic properties	Dr. Zeynep Arzu İlki
10:40-11:30	Microbiology LAB: Examination of gram positive & gram-negative cocci-II	Dr. Zeynep Arzu İlki, Dr. Mümtaz Güran
11:40-12:30	Microbiology LAB: Examination of gram positive & gram-negative cocci-II	Dr. Zeynep Arzu İlki, Dr. Mümtaz Güran
13:40-14:30	Collection and transport of specimen to laboratory	Dr. Zeynep Arzu İlki
14:40-15:30	Microbiology LAB: Examination of Mycobacteria, Actinomyces, and Nocardia	Dr. Zeynep Arzu İlki, Dr. Mümtaz Güran
15:40-16:30		
16:40-17:30		
Week 4 (20-24 November 2017)		
Monday	20 November	
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	21 November	
08:40-09:30	Environmental pathology	Dr. Hasan Toper
09:40-10:30	Environmental pathology	Dr. Hasan Toper

10:40-11:30	PBL MODULE-2	Dr. Mevhibe B. Hocaoğlu, Dr. Halil Eren Sakallı, Dr. Ergül Altundağ, Inst. Masoud Afshani
11:40-12:30	PBL MODULE-2	Dr. Mevhibe B. Hocaoğlu, Dr. Halil Eren Sakallı, Dr. Ergül Altundağ, Inst. Masoud Afshani
13:40-14:30	Pharmacotherapy in bacterial infections: penicillines	Dr. Filiz Onat
14:40-15:30	Pharmacotherapy in bacterial infections: penicillines	Dr. Filiz Onat
15:40-16:30	Pharmacotherapy in bacterial infections: Cephalosporins	Dr. Filiz Onat
16:40-17:30	Pharmacotherapy in bacterial infections: Cephalosporins	Dr. Filiz Onat
Wednesday	22 November	
08:40-09:30	ICS-2 SRA: Research Proposal Student Presentations	Dr. İlke Akçay, Dr. Mevhibe B Hocaoğlu, Dr. Mehmet Akman, Dr. Sinem Yıldız
09:40-10:30	ICS-2 SRA: Research Proposal Student Presentations	Dr. İlke Akçay, Dr. Mevhibe B Hocaoğlu, Dr. Mehmet Akman, Dr. Sinem Yıldız
10:40-11:30	ICS-2 SRA: Research Proposal Student Presentations	Dr. İlke Akçay, Dr. Mevhibe B Hocaoğlu, Dr. Mehmet Akman, Dr. Sinem Yıldız
11:40-12:30	ICS-2 SRA: Research Proposal Student Presentations	Dr. İlke Akçay, Dr. Mevhibe B Hocaoğlu, Dr. Mehmet Akman, Dr. Sinem Yıldız
13:40-14:30	Microorganisms and carcinogenesis	Dr. Ayşegül Karahasan
14:40-15:30	Chlamydia, Mycoplasma and their pathogenic properties	Dr. Ayşegül Karahasan
15:40-16:30	Serological tests in clinical microbiology	Dr. Ayşegül Karahasan
16:40-17:30	Serological tests in clinical microbiology	Dr. Ayşegül Karahasan
Thursday	23 November	
08:40-09:30	Spirochetes and their pathogenic properties	Dr. Ayşegül Karahasan
09:40-10:30	Rickettsia, Ehrlichia and their pathogenic properties	Dr. Ayşegül Karahasan
10:40-11:30	Microbiology LAB: Serological tests	Dr. Ayşegül Karahasan, Dr. Mümtaz Güran
11:40-12:30	Microbiology LAB: Serological tests	Dr. Ayşegül Karahasan, Dr. Mümtaz Güran
13:40-14:30	Pharmacotherapy in bacterial infections: Sulphonamides and other antibacterial drugs	Dr. Zafer Gören
14:40-15:30	Pharmacotherapy in bacterial infections: Aminoglycosides and quinolones	Dr. Zafer Gören

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15:40-16:30	Microbiology LAB: Examination of Mycobacteria, Actinomyces, and Nocardia	Dr. Mümtaz Güran
16:40-17:30	STUDY TIME	
Friday	24 November	
08:40-09:30	Y1C1 THEORETICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Week 5 (27 November – 01 December 2017)		
Monday	27 November	
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	ICS-2: Research Proposal Exam	Dr. İlke Akçay, Dr. Mevhibe B Hocaoğlu
16:40-17:30	ICS-2: Research Proposal Exam	Dr. İlke Akçay, Dr. Mevhibe B Hocaoğlu
Tuesday	28 November	
08:40-09:30	ICS-2: History Taking and Introduction to Physical Examination	Main Instructor: Dr. Bülent Sezgin Small Group Instructors: Dr. Berfu Çerçi Öngün, Dr. Aydın Karakuzu, Dr. Halil Eren Sakallı, Dr. Hasan Topper, Dr. Umut Altunç
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Pharmacotherapy in bacterial infections: Macrolides	Dr. Kemal Berkman
14:40-15:30	PBL MODULE-3	Dr. Mevhibe B. Hocaoğlu, Dr. Halil Eren Sakallı, Dr. Ergül Altundağ, Inst. Masoud Afshani

15:40-16:30	PBL MODULE-3	Dr. Mevhibe B. Hocaoğlu, Dr. Halil Eren Sakallı, Dr. Ergül Altundağ, Inst. Masoud Afshani
16:40-17:30	STUDY TIME	
Wednesday	29 November	
08:40-09:30	ICS-2: History Taking and Introduction to Physical Examination	Main Instructor: Dr. Bülent Sezgin Small Group Instructors: Dr. Berfu Çerçi Öngün, Dr. Aydın Karakuzu, Dr. Halil Eren Sakallı, Dr. Hasan Toper, Dr. Umut Altunç
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Pathology LAB: Anatomical/ Structural Abnormalities of Organs/Tissues and Mass Lesions-Group A	Dr. Deniz Filinte
14:40-15:30	Pathology LAB: Anatomical/ Structural Abnormalities of Organs/Tissues and Mass Lesions-Group B	Dr. Deniz Filinte
15:40-16:30	Pathology LAB: Pathology of infectious diseases-Group A	Dr. Deniz Filinte
16:40-17:30	Pathology LAB: Pathology of infectious diseases-Group B	Dr. Deniz Filinte
Thursday	30 November	
08:40-09:30	Religious 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		
Friday	01 December	
08:40-09:30	Autopsy	Dr. Hasan Toper
09:40-10:30	Tumors and tumor like lesions	Dr. Hasan Toper
10:40-11:30	Infectious diseases-Morphologic patterns of injury-2	Dr. Hüseyin Kemal Türköz
11:40-12:30	Infectious diseases-Morphologic patterns of injury-3	Dr. Hüseyin Kemal Türköz
13:40-14:30	Pathology LAB: Pathological evaluation of neoplastic lesions-A	Dr. Hüseyin Kemal Türköz
14:40-15:30	Pathology LAB: Pathological evaluation of neoplastic lesions-A	Dr. Hüseyin Kemal Türköz
15:40-16:30	Pathology LAB: Pathological evaluation of neoplastic lesions-B	Dr. Hüseyin Kemal Türköz
16:40-17:30	Pathology LAB: Pathological evaluation of neoplastic lesions-B	Dr. Hüseyin Kemal Türköz

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Week 6 (04 December – 08 December 2017)		
Monday	04 December	
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	05 December	
08:40-09:30	PBL MODULE-4	Dr. Mevhibe B. Hocaoğlu, Dr. Halil Eren Sakallı, Dr. Ergül Altundağ, Inst. Masoud Afshani
09:40-10:30	PBL MODULE-4	Dr. Mevhibe B. Hocaoğlu, Dr. Halil Eren Sakallı, Dr. Ergül Altundağ, Inst. Masoud Afshani
10:40-11:30	Microbiology LAB: Antimicrobial susceptibility testing	Dr. Mümtaz Güran
11:40-12:30	Microbiology LAB: Antimicrobial susceptibility testing	Dr. Mümtaz Güran
13:40-14:30	Enterobacteriaceae and their pathogenic properties	Dr. Nilgün Çerikçioğlu
14:40-15:30	Enterobacteriaceae and their pathogenic properties	Dr. Nilgün Çerikçioğlu
15:40-16:30	Nonfermentative bacteria and their pathogenic properties	Dr. Nilgün Çerikçioğlu
16:40-17:30	Gram negative small nonenteric bacilli (Legionella, Francisella, Pasteurella) and their pathogenic properties	Dr. Nilgün Çerikçioğlu
Wednesday	06 December	
08:40-09:30	Medically important yeasts and their pathogenic mechanisms	Dr. Nilgün Çerikçioğlu
09:40-10:30	Medically important yeasts and their pathogenic mechanisms	Dr. Nilgün Çerikçioğlu
10:40-11:30	Microbiology LAB: Examination of Enterobacteriaceae & nonfermentative gram negative bacilli-I	Dr. Nilgün Çerikçioğlu- Dr. Mümtaz Güran
11:40-12:30	Microbiology LAB: Examination of Enterobacteriaceae & nonfermentative gram negative bacilli-I	Dr. Nilgün Çerikçioğlu- Dr. Mümtaz Güran
13:40-14:30	Dermatophytes and their pathogenic mechanism	Dr. Nilgün Çerikçioğlu
14:40-15:30	Molds, dimorphic fungi, P. carinii (P. jiroveci) and their pathogenic mechanisms	Dr. Nilgün Çerikçioğlu
15:40-16:30	STUDY TIME	

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16:40-17:30	STUDY TIME	
Thursday	07 December	
08:40-09:30	Anaerobic gram-negative bacteria and their pathogenic properties	Dr. Nurver Ülger
09:40-10:30	Anaerobic gram-positive bacteria and their pathogenic properties	Dr. Nurver Ülger
10:40-11:30	Microbiology LAB: Examination of Enterobacteriaceae & nonfermentative gram negative bacilli-II	Dr. Nilgün Çerikçioğlu- Dr. Mümtaz Güran
11:40-12:30	Microbiology LAB: Examination of Enterobacteriaceae & nonfermentative gram negative bacilli-II	Dr. Nilgün Çerikçioğlu- Dr. Mümtaz Güran
13:40-14:30	Aerobic gram-positive bacilli and their pathogenetic properties	Dr. Nurver Ülger
14:40-15:30	Microbiology LAB: Examination of yeast & molds	Dr. Nilgün Çerikçioğlu- Dr. Mümtaz Güran
15:40-16-30	Microbiology LAB: Examination of yeast & molds	Dr. Nilgün Çerikçioğlu- Dr. Mümtaz Güran
16:40-17:30	STUDY TIME	
Friday	08 December	
08:40-09:30	Microbiology LAB: Examination of spore forming & non-spore forming bacilli	Dr. Nurver Ülger-Dr. Mümtaz Güran
09:40-10:30	Microbiology LAB: Examination of spore forming & non-spore forming bacilli	Dr. Nurver Ülger-Dr. Mümtaz Güran
10:40-11:30	Microbiology LAB: Examination of curved & nonenteric gram negative bacilli	Dr. Mümtaz Güran
11:40-12:30	Microbiology LAB: Examination of curved & nonenteric gram negative bacilli	Dr. Mümtaz Güran
13:40-14:30	General principles of anticancer therapy	Dr. Halil Eren Sakallı
14:40-15:30	Pharmacotherapy in bacterial infections: Broad spectrum antibiotics	Dr. Halil Eren Sakallı
15:40-16-30	Pharmacotherapy in fungal infections	Dr. Halil Eren Sakallı
16:40-17:30	STUDY TIME	
Week 7 (11 - 15 December 2017)		
Monday	11 December	
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	12 December	

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08:40-09:30	ICS-2: History Taking Course	Main Instructor: Dr. Bülent Sezgin Small Group Instructors: Dr. Berfu Çerçi Öngün, Dr. Aydın Karakuzu, Dr. Halil Eren Sakallı, Dr. Hasan Toper, Dr. Umut Altunç
09:40-10:30		
10:40-11:30		
11:40-12:30	ICS-2: History Taking Written Exam	
13:40-14:30	ICS-2: History Taking – OSCE Exam	Main Instructor: Dr. Bülent Sezgin Small Group Instructors: Dr. Berfu Çerçi Öngün, Dr. Aydın Karakuzu, Dr. Halil Eren Sakallı, Dr. Hasan Toper, Dr. Umut Altunç
14:40-15:30		
15:40-16:30		
16:40-17:30		
Wednesday	13 December	
08:40-09:30	STUDY TIME	
09:40-10:30	Streptococci, Enterococci and their pathogenic properties	Dr. Güner Söyledir
10:40-11:30	Streptococci, Enterococci and their pathogenic properties	Dr. Güner Söyledir
11:40-12:30	Pathogenetic mechanism of poststreptococcal diseases	Dr. Güner Söyledir
13:40-14:30	Vaccines and antisera	Dr. Güner Söyledir
14:40-15:30	Vaccines and antisera	Dr. Güner Söyledir
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Thursday	14 December	
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	
Friday	15 December	
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	

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16:40-17:30	STUDY TIME	
Week 8 (18-22 December 2017)		
Monday	18 December	
08:40-09:30	PRACTICAL 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		
Tuesday	19 December	
08:40-09:30	PRACTICAL 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		
Wednesday	20 December	
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	
Thursday	21 December	
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	

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Friday	22 December	
08:40-09:30	Y2C2 THEORETICAL EXAM (09:30 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		