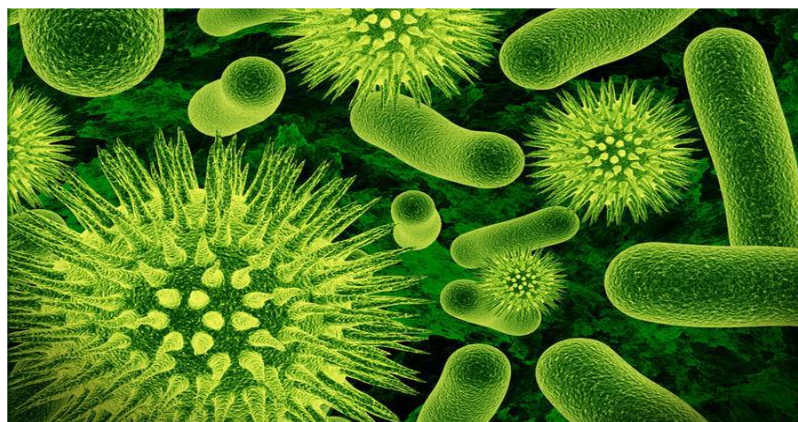




**MARMARA UNIVERSITY – EASTERN MEDITERRANEAN  
UNIVERSITY INTERNATIONAL MEDICAL SCHOOL**



**CELL AND TISSUE INJURY - II  
YEAR 2 COURSE 2  
October 22<sup>nd</sup>, 2018- December 14<sup>th</sup>, 2018**

**Year 2 Coordinators**

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

**Module Coordinators**

Assoc. Prof., Özlem SARIKAYA & Inst., Berfu Çerçi ÖNGÜN

**Introduction to Clinician Skills (ICS)  
Coordinators**

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

**Coordinators of Clinical Skill Lab.**

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

**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 Unit**

Asist. Prof., Cevdet NACAR & Assist. Prof., Can ERZİK & Assist. Prof., H. Eren SAKALLI & Assist. Prof., Hasan TOPER & Assist. Prof., Masoud AFSHANI

**Vice-Chief Coordinators**

**Assessment**

Asist. Prof., Cevdet NACAR & Assist. Prof., H. Eren SAKALLI

**Students' Affairs**

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

**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)**

**Dean (MU)**

Prof., Nahide GÖKÇORA	Prof., Hakan GÜNDÜZ
<b>LEARNING OUTCOMES / COMPETENCIES</b>	
<p><b>A. Clinical Care: Qualified patient care and community oriented health care</b></p> <ol style="list-style-type: none"> <li>1. Basic clinical skills</li> <li>2. The organization and management of the patient and the patient care</li> <li>3. The organization and the management of health care delivery services / system</li> <li>4. Health promotion and disease prevention</li> </ol> <p><b>B. Medical Knowledge and Evidence-Based Medicine</b></p> <ol style="list-style-type: none"> <li>5. Appropriate information retrieval and management skills</li> <li>6. The integration of knowledge, critical thinking and evidence-based decision making</li> <li>7. Scientific methods and basic research skills</li> </ol> <p><b>C. Professional Attitudes and Values</b></p> <ol style="list-style-type: none"> <li>8. Communication skills and effective communication with patients / patient relatives</li> <li>9. Interpersonal relationships and team working</li> <li>10. Ethical and professional values, responsibilities</li> <li>11. Individual, social and cultural values and responsibilities</li> <li>12. Reflective practice and continuing development</li> <li>13. Healthcare delivery systems, management and community oriented health care</li> <li>14. Education and counseling</li> </ol>	
<p><b>PHASE-1 LEARNING OBJECTIVES</b></p> <ol style="list-style-type: none"> <li>1. Understanding the normal structures and functions of human body</li> <li>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</li> <li>3. Developing clinical problem solving, clinical reasoning and evaluation skills by integrating biomedical, clinical, social and humanities knowledge</li> <li>4. Gaining basic clinical skills by applications in simulated settings.</li> <li>5. Awareness of the professional values in health and disease processes (professional, individual, societal) and acquisition necessary related skills</li> <li>6. Evaluating critically and synthesizing all the medical evidence and perform respecting scientific, professional and ethical values</li> <li>7. Acquisition skills in reflective thinking and practicing, being open to continuous individual / professional development.</li> </ol>	
<p><b>PHASES – 1 THEMA/ORGAN SYSTEM-BASED COURSE PROGRAMS</b></p> <p>Year 1, Course 1: Introduction to Cell and Cellular Replication</p> <p>Year 1, Course 2: Cellular Metabolism and Transport</p> <p>Year 1, Course 3: Development and Organization of Human Body</p> <p>Year 1, Course 4: Introduction to Nervous System and Human Behavior</p> <p>Year 2, Course 1: Cell and Tissue Injury I</p> <p><b>Year 2, Course 2: Cell and Tissue Injury II</b></p> <p>Year 2, Course 3: Hematopoietic System and Related Disorders</p> <p>Year 2, Course 4: Musculoskeletal, Integumentary Systems and Related Disorders</p> <p>Year 2, Course 5: Respiratory System and Related Disorders</p> <p>Year 3, Course 1: Cardiovascular System and Related Disorders</p> <p>Year 3, Course 2: Gastrointestinal System, Metabolism and Related Disorders</p> <p>Year 3, Course 3: Nervous System and Related Disorders</p> <p>Year 3, Course: Growth, Development, Mental Health and Related Disorders</p> <p>Year 3, Course 5: Urinary and Reproductive System and Related Disorders</p>	

## 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, Professor of Public Health  
Arzu İLKİ, Professor of Microbiology  
Ayşegül KARAHASAN, Professor of Microbiology  
Berfu Çerçi ÖNGÜN, Instructor of Anatomy  
Bülent SEZGİN, Assist. Prof. Of Internal Medicine  
Deniz FİLİNTE, Assoc. Prof. Of Pathology  
Eren Sakallı, Assist. Professor of Pharmacology  
Filiz ONAT, Professor of Pharmacology  
Funda EREN, Professor of Pathology  
Güner SÖYLETİR, Professor of Microbiology  
Handan KAYA, Professor of Pathology  
İlke Akçay, Assist. Prof. of Biostatistics  
İpek ERBARUT, Assist. Professor of Pathology  
Kemal BERKMAN, Professor of Pharmacology

Kemal TÜRKÖZ, Assoc. Professor of Pathology  
Masoud AFSHANI, Assist. Professor of Histology & Embryology  
Mehmet AKMAN, Professor of Family Medicine  
Mümtaz GÜRAN, Assist. Professor of Microbiology  
Nevber İSTİLLOZLU, Instructor of Turkish Language  
Nilgün ÇERİKÇİOĞLU, Professor of Microbiology  
Nurver ÜLGER, Professor of Microbiology  
Önder ŞİRİKÇİ, Professor of Biochemistry  
Sinem YILDIZ, Assist. Professor of Medical Education  
Tunç AKKOÇ, Professor of Child Health and Disease  
Ufuk HASDEMİR, Professor of Microbiology  
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	32	9	41
Pathology	18	4	22
Pharmacology	10		10
Public Health	10	2	12
<b>Subtotal</b>	<b>81</b>	<b>17</b>	<b>98</b>
<b>ICS-2: Student Research Activity (SRA)</b>	28		28
<b>ICS-2: History Taking and Introduction to Physical examination</b>	8		8
<b>Elective Course-II</b>	12		12
<b>TFMS 201- Turkish For Medical Students-III</b>	30		30
<b>TFMS 201- Turkish For Medical Students-III (Interactive session for Foreign Students)</b>	8		8
<b>PBL MODULE</b>	8		8
<b>TOTAL</b>	<b>175</b>	<b>17</b>	<b>192</b>

Y2C2 Last Updated: December 7<sup>th</sup>, 2018  
Summary table updated April 22, 2025

	THEORETICAL AND PRACTICAL SESSIONS	LECTURER(S)/TUTOR(S)
<b>Week 1 (22 October- 26 October 2018)</b>		
<b>Monday</b>	<b>22 October</b>	
<b>08:40-09:30</b>	STUDY TIME	
<b>09:40-10:30</b>	STUDY TIME	
<b>10:40-11:30</b>	STUDY TIME	
<b>11:40-12:30</b>	Introduction to the course and opening lecture	Dr. Masoud Afshani
<b>13:40-14:30</b>	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
<b>14:40-15:30</b>	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
<b>15:40-16:30</b>	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
	Elective Course-II (Turkish Students) MDCN181 Forensic Sciences MDCN182 Art & Craft For Medicine Students MDCN186 Modern Indian Dance MDCN187 Aerial Fitness And High Intensty Interval Training	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoglu
<b>16:40-17:30</b>	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
	Elective Course-II (Turkish Students) MDCN181 Forensic Sciences MDCN182 Art & Craft For Medicine Students MDCN186 Modern Indian Dance MDCN187 Aerial Fitness And High Intensty Interval Training	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoglu
<b>Tuesday</b>	<b>23 October</b>	
<b>08:40-09:30</b>	ICS-2 Research: Review of RPW	Dr. İlke Akçay, Dr. Özge Cumaoğulları Eker
<b>09:40-10:30</b>	ICS-2 Research: Article literacy	Dr. İlke Akçay, Dr. Özge Cumaoğulları Eker
<b>10:40-11:30</b>	ICS-2 Research: Article literacy	Dr. İlke Akçay, Dr. Özge Cumaoğulları Eker
<b>11:40-12:30</b>	ICS-2 Research: Article literacy	Dr. İlke Akçay, Dr. Özge Cumaoğulları Eker
<b>13:40-14:30</b>	Chain of infection: Case studies: Measles, Malaria, Tetanus	Dr. Ahmet Topuzoğlu
<b>14:40-15:30</b>	Chain of infection: Case studies: Tbc, Brucellosis, Hepatitis	Dr. Ahmet Topuzoğlu
<b>15:40-16:30</b>	Investigation of an epidemic	Dr. Ahmet Topuzoğlu
<b>16:40-17:30</b>	Investigation of an epidemic	Dr. Ahmet Topuzoğlu
<b>Wednesday</b>	<b>24 October</b>	
<b>08:40-09:30</b>	STUDY TIME	
<b>09:40-10:30</b>	Staphylococci and their pathogenic properties	Dr. Ufuk Hasdemir
<b>10:40-11:30</b>	Antimicrobial actions and resistance mechanisms to antimicrobials in bacteria	Dr. Ufuk Hasdemir
<b>11:40-12:30</b>	Principles of antimicrobial susceptibility testing	Dr. Ufuk Hasdemir
<b>13:40-14:30</b>	<b>Microbiology LAB:</b> Antimicrobial susceptibility testing	Dr. Ufuk Hasdemir, Dr. Mumtaz Güran

Y2C2 Last Updated: December 7<sup>th</sup>, 2018  
Summary table updated April 22, 2025

14:40-15:30	<b>Microbiology LAB:</b> Antimicrobial susceptibility testing	Dr. Ufuk Hasdemir, Dr. Mumtaz Güran
15:40-16:30	Definitions used in the chain of infection	Dr. Ahmet Topuzoğlu
16:40-17:30	Active and passive immunization	Dr. Ahmet Topuzoğlu
<b>Thursday</b>	<b>25 October</b>	
08:40-09:30	Investigation and management of outbreaks: Case examples	Dr. Ahmet Topuzoğlu
09:40-10:30	Investigation and management of outbreaks: Case examples	Dr. Ahmet Topuzoğlu
10:40-11:30	Infection prevention at health care facilities and waste disposal	Dr. Ahmet Topuzoğlu
11:40-12:30	Infection prevention at health care facilities and waste disposal	Dr. Ahmet Topuzoğlu
13:40-14:30	<b>Public Health LAB:</b> Infection Prevention: Field Study-Group A	Dr. Ahmet Topuzoğlu
14:40-15:30	<b>Public Health LAB:</b> Infection Prevention: Field Study-Group A	Dr. Ahmet Topuzoğlu
15:40-16:30	<b>Public Health LAB:</b> Infection Prevention: Field Study-Group B	Dr. Ahmet Topuzoğlu
16:40-17:30	<b>Public Health LAB:</b> Infection Prevention: Field Study-Group B	Dr. Ahmet Topuzoğlu
<b>Friday</b>	<b>26 October</b>	
08:40-09:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
09:40-10:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
10:40-11:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
11:40-12:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
<b>Week 2 (29 October - 02 November 2018)</b>		
<b>Monday</b>	<b>29 October</b>	
08:40-09:30	<b>TURKISH REPUBLIC DAY</b>	
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		
<b>Tuesday</b>	<b>30 October</b>	
08:40-09:30	ICS-2: Research Proposal Workshop Exam	Dr. İlke Akçay, Dr. Özge Cumaoğulları Eker
09:40-10:30	ICS-2: Research Proposal Workshop Exam	Dr. İlke Akçay, Dr. Özge Cumaoğulları Eker
10:40-11:30	ICS-2: Research Proposal Workshop Exam	Dr. İlke Akçay, Dr. Özge Cumaoğulları Eker
11:40-12:30	ICS-2: Research Proposal Workshop Exam	Dr. İlke Akçay, Dr. Özge Cumaoğulları Eker

Y2C2 Last Updated: December 7<sup>th</sup>, 2018  
Summary table updated April 22, 2025

<b>13:40-14:30</b>	STUDY TIME	
<b>14:40-15:30</b>	STUDY TIME	
<b>15:40-16:30</b>	STUDY TIME	
<b>16:40-17:30</b>	STUDY TIME	
<b>Wednesday</b>	<b>31 October</b>	
<b>08:40-09:30</b>	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
<b>09:40-10:30</b>	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
<b>10:40-11:30</b>	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
<b>11:40-12:30</b>	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
<b>13:40-14:30</b>	STUDY TIME	
<b>14:40-15:30</b>	STUDY TIME	
<b>15:40-16:30</b>	STUDY TIME	
<b>16:40-17:30</b>	STUDY TIME	
<b>Thursday</b>	<b>01 November</b>	
<b>08:40-09:30</b>	STUDY TIME	
<b>09:40-10:30</b>	Streptococci, Enterococci and their pathogenic properties	Dr. Güner Söyledir
<b>10:40-11:30</b>	Streptococci, Enterococci and their pathogenic properties	Dr. Güner Söyledir
<b>11:40-12:30</b>	Pathogenetic mechanism of poststreptococcal diseases	Dr. Güner Söyledir
<b>13:40-14:30</b>	Vaccines and antisera	Dr. Güner Söyledir
<b>14:40-15:30</b>	Vaccines and antisera	Dr. Güner Söyledir
<b>15:40-16:30</b>	<b>PBL MODULE-1</b>	Dr. Mümtaz Güran, Dr. Eren Sakallı, Inst. Duygu Gençalp
<b>16:40-17:30</b>	<b>PBL MODULE-1</b>	Dr. Mümtaz Güran, Dr. Eren Sakallı, Inst. Duygu Gençalp
<b>Friday</b>	<b>02 November</b>	
<b>08:40-09:30</b>	Turkish For Medical Students-III (Interactive session for Foreign Students)	Inst. Emine Özerinç
<b>09:40-10:30</b>	Turkish For Medical Students-III (Interactive session for Foreign Students)	Inst. Emine Özerinç
<b>10:40-11:30</b>	Turkish For Medical Students-III (Interactive session for Foreign Students)	Inst. Emine Özerinç
<b>11:40-12:30</b>	Turkish For Medical Students-III (Interactive session for Foreign Students)	Inst. Emine Özerinç
<b>13:40-14:30</b>	Tissue responses to infections	Dr. Pelin Bağcı
<b>14:40-15:30</b>	Environmental pathology	Dr. Pelin Bağcı
<b>15:40-16:30</b>	Environmental pathology	Dr. Pelin Bağcı
<b>16:40-17:30</b>	STUDY TIME	
<b>Week 3 (05-10 November 2018)</b>		
<b>Monday</b>	<b>05 November</b>	



Y2C2 Last Updated: December 7<sup>th</sup>, 2018  
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<b>08:40-09:30</b>	Pharmacotherapy in bacterial infections: penicillines	Dr. Filiz Onat
<b>09:40-10:30</b>	Pharmacotherapy in bacterial infections: penicillines	Dr. Filiz Onat
<b>10:40-11:30</b>	Pharmacotherapy in bacterial infections: Cephalosporins	Dr. Filiz Onat
<b>11:40-12:30</b>	Pharmacotherapy in bacterial infections: Cephalosporins	Dr. Filiz Onat
<b>13:40-14:30</b>	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
<b>14:40-15:30</b>	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
<b>15:40-16:30</b>	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
	Elective Course-II (Turkish Students) MDCN181 Forensic Sciences MDCN182 Art & Craft For Medicine Students MDCN186 Modern Indian Dance MDCN187 Aerial Fitness And High Intensity Interval Training	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu
<b>16:40-17:30</b>	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
	Elective Course-II (Turkish Students) MDCN181 Forensic Sciences MDCN182 Art & Craft For Medicine Students MDCN186 Modern Indian Dance MDCN187 Aerial Fitness And High Intensity Interval Training	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu
<b>Tuesday</b>	<b>06 November</b>	
<b>08:40-09:30</b>	<b>ICS-2: Student Research Activity</b>	Dr. İlke Akçay, Dr. Özge Cumaoğulları Eker
<b>09:40-10:30</b>	<b>ICS-2: Student Research Activity</b>	Dr. İlke Akçay, Dr. Özge Cumaoğulları Eker
<b>10:40-11:30</b>	<b>ICS-2: Student Research Activity</b>	Dr. İlke Akçay, Dr. Özge Cumaoğulları Eker
<b>11:40-12:30</b>	<b>ICS-2: Student Research Activity</b>	Dr. İlke Akçay, Dr. Özge Cumaoğulları Eker
<b>13:40-14:30</b>	Mechanisms of neoplasia and tumor markers	Dr. Önder Şirikçi
<b>14:40-15:30</b>	Mechanisms of neoplasia and tumor markers	Dr. Önder Şirikçi
<b>15:40-16:30</b>	STUDY TIME	
<b>16:40-17:30</b>	STUDY TIME	
<b>Wednesday</b>	<b>07 November</b>	
<b>08:40-09:30</b>	Spirochetes and their pathogenic properties	Dr. Ayşegül Karahasan
<b>09:40-10:30</b>	Rickettsia, Ehrlichia and their pathogenic properties	Dr. Ayşegül Karahasan
<b>10:40-11:30</b>	<b>PBL MODULE-2</b>	Dr. Mümtaz Güran, Dr. Eren Sakallı, Inst. Duygu Gençalp
<b>11:40-12:30</b>	<b>PBL MODULE-2</b>	Dr. Mümtaz Güran, Dr. Eren Sakallı, Inst. Duygu Gençalp
<b>13:40-14:30</b>	Turkish For Medical Students-III (Interactive session for Foreign Students)	Inst. Emine Özerinç
<b>14:40-15:30</b>	Turkish For Medical Students-III (Interactive session for Foreign Students)	Inst. Emine Özerinç
<b>15:40-16:30</b>	STUDY TIME	



Y2C2 Last Updated: December 7<sup>th</sup>, 2018  
Summary table updated April 22, 2025

<b>16:40-17:30</b>	STUDY TIME	
<b>Thursday</b>	<b>08 November</b>	
<b>08:40-09:30</b>	Serological tests in clinical microbiology	Dr. Ayşegül Karahasan
<b>09:40-10:30</b>	Serological tests in clinical microbiology	Dr. Ayşegül Karahasan
<b>10:40-11:30</b>	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
<b>11:40-12:30</b>	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
<b>13:40-14:30</b>	Microorganisms and carcinogenesis	Dr. Ayşegül Karahasan
<b>14:40-15:30</b>	Chlamydia, Mycoplasma and their pathogenic properties	Dr. Ayşegül Karahasan
<b>15:40-16:30</b>	Turkish For Medical Students-III (Interactive session for Foreign Students)	Inst. Emine Özerinç
<b>16:40-17:30</b>	Turkish For Medical Students-III (Interactive session for Foreign Students)	Inst. Emine Özerinç
<b>Friday</b>	<b>09 November</b>	
<b>08:40-09:30</b>	STUDY TIME	
<b>09:40-10:30</b>	STUDY TIME	
<b>10:40-11:30</b>	<b>Microbiology LAB:</b> Serological tests	Dr. Ayşegül Karahasan, Dr. Mümtaz Güran
<b>11:40-12:30</b>	<b>Microbiology LAB:</b> Serological tests	Dr. Ayşegül Karahasan, Dr. Mümtaz Güran
<b>13:40-14:30</b>	<b>Pathology LAB:</b> Anatomical/ Structural Abnormalities of Organs/Tissues and Mass Lesions-Group A	Dr. Deniz Filinte
<b>14:40-15:30</b>	<b>Pathology LAB:</b> Anatomical/ Structural Abnormalities of Organs/Tissues and Mass Lesions-Group B	Dr. Deniz Filinte
<b>15:40-16:30</b>	<b>Pathology LAB:</b> Pathology of infectious diseases-Group A	Dr. Deniz Filinte
<b>16:40-17:30</b>	<b>Pathology LAB:</b> Pathology of infectious diseases-Group B	Dr. Deniz Filinte
<b>Week 4 (12-16 November 2018)</b>		
<b>Monday</b>	<b>12 November</b>	
<b>08:40-09:30</b>	Neoplasia: Molecular basis of cancer	Dr. Handan Kaya
<b>09:40-10:30</b>	Neoplasia: Molecular basis of cancer	Dr. Handan Kaya
<b>10:40-11:30</b>	Neoplasia: Molecular basis of cancer	Dr. Handan Kaya
<b>11:40-12:30</b>	Neoplasia: Tumor immunity and clinical features of tumor	Dr. Handan Kaya
<b>13:40-14:30</b>	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
<b>14:40-15:30</b>	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
<b>15:40-16:30</b>	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
	Elective Course-II (Turkish Students) MDCN181 Forensic Sciences MDCN182 Art & Craft For Medicine Students MDCN186 Modern Indian Dance MDCN187 Aerial Fitness And High Intensty Interval Training	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoglu
<b>16:40-17:30</b>	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
	Elective Course-II (Turkish Students) MDCN181 Forensic Sciences MDCN182 Art & Craft For Medicine Students MDCN186 Modern Indian Dance	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoglu

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	MDCN187 Aerial Fitness And High Intensty Interval Training	
<b>Tuesday</b>	<b>13 November</b>	
<b>08:40-09:30</b>	<b>ICS-2: Student Research Activity</b>	Dr. İlke Akçay, Dr. Özge Cumaoğulları Eker
<b>09:40-10:30</b>	<b>ICS-2: Student Research Activity</b>	Dr. İlke Akçay, Dr. Özge Cumaoğulları Eker
<b>10:40-11:30</b>	<b>ICS-2: Student Research Activity</b>	Dr. İlke Akçay, Dr. Özge Cumaoğulları Eker
<b>11:40-12:30</b>	<b>ICS-2: Student Research Activity</b>	Dr. İlke Akçay, Dr. Özge Cumaoğulları Eker
<b>13:40-14:30</b>	Inflammation, immune regulation	Dr. Tunç Akkoç
<b>14:40-15:30</b>	Immunity to cancers	Dr. Tunç Akkoç
<b>15:40-16:30</b>	Neoplasia: Epidemiology and etiopathogenesis	Dr. Handan Kaya
<b>16:40-17:30</b>	Neoplasia: Epidemiology and etiopathogenesis	Dr. Handan Kaya
<b>Wednesday</b>	<b>14 November</b>	
<b>08:40-09:30</b>	STUDY TIME	
<b>09:40-10:30</b>	STUDY TIME	
<b>10:40-11:30</b>	STUDY TIME	
<b>11:40-12:30</b>	Introduction to primary care and family medicine	Dr. Mehmet Akman
<b>13:40-14:30</b>	Aberrations in immune responses-Hypersensitivity reactions	Dr. Tunç Akkoç
<b>14:40-15:30</b>	Aberrations in immune responses-Hypersensitivity reactions	Dr. Tunç Akkoç
<b>15:40-16:30</b>	STUDY TIME	
<b>16:40-17:30</b>	STUDY TIME	
<b>Thursday</b>	<b>15 November</b>	
<b>08:40-09:30</b>	<b>TRNC REPUBLIC DAY</b>	
<b>09:40-10:30</b>		
<b>10:40-11:30</b>		
<b>11:40-12:30</b>		
<b>13:40-14:30</b>		
<b>14:40-15:30</b>		
<b>15:40-16:30</b>		
<b>16:40-17:30</b>		
<b>Friday</b>	<b>16 November</b>	
<b>08:40-09:30</b>	STUDY TIME	
<b>09:40-10:30</b>	STUDY TIME	
<b>10:40-11:30</b>	STUDY TIME	
<b>11:40-12:30</b>	STUDY TIME	
<b>13:40-14:30</b>	STUDY TIME	
<b>14:40-15:30</b>	STUDY TIME	

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15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
<b>Week 5 (19-23 November 2018)</b>		
<b>Monday</b>	<b>19 November</b>	
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	Elective Course-II (Turkish Students) MDCN181 Forensic Sciences MDCN182 Art & Craft For Medicine Students MDCN186 Modern Indian Dance MDCN187 Aerial Fitness And High Intensty Interval Training	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoglu
16:40-17:30	Elective Course-II (Turkish Students) MDCN181 Forensic Sciences MDCN182 Art & Craft For Medicine Students MDCN186 Modern Indian Dance MDCN187 Aerial Fitness And High Intensty Interval Training	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoglu
<b>Tuesday</b>	<b>20 November</b>	
08:40-09:30	<b>RELIGIOUS DAY</b>	
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		
<b>Wednesday</b>	<b>21 November</b>	
08:40-09:30	ICS-2: Student Research Activity	Dr. İlke Akçay, Dr. Özge Cumaoğulları Eker
09:40-10:30	ICS-2: Student Research Activity	Dr. İlke Akçay, Dr. Özge Cumaoğulları Eker
10:40-11:30	ICS-2: Student Research Activity	Dr. İlke Akçay, Dr. Özge Cumaoğulları Eker
11:40-12:30	ICS-2: Student Research Activity	Dr. İlke Akçay, Dr. Özge Cumaoğulları Eker
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
15:40-16:30	<b>PBL MODULE-3</b>	Dr. Mümtaz Güran, Dr. Eren Sakallı, Inst. Duygu Gençalp

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16:40-17:30	PBL MODULE-3	Dr. Mümtaz Güran, Dr. Eren Sakallı, Inst. Duygu Gençalp
Thursday	22 November	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	Neoplasia: Definition and biology of tumor	Dr. Funda Eren
13:40-14:30	Neoplasia: Definition and biology of tumor	Dr. Funda Eren
14:40-15:30	Neoplasia: Nomenclature	Dr. Funda Eren
15:40-16:30	Neoplasia: Nomenclature	Dr. Funda Eren
16:40-17:30	STUDY TIME	
Friday	23 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 6 (26-30 November 2018)		
Monday	26 November	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	PBL MODULE-4	Dr. Mümtaz Güran, Dr. Eren Sakallı, Inst. Duygu Gençalp
11:40-12:30	PBL MODULE-4	Dr. Mümtaz Güran, Dr. Eren Sakallı, Inst. Duygu Gençalp
13:40-14:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
14:40-15:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
15:40-16:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
	Elective Course-II (Turkish Students) MDCN181 Forensic Sciences MDCN182 Art & Craft For Medicine Students MDCN186 Modern Indian Dance MDCN187 Aerial Fitness And High Intensty Interval Training	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu
16:40-17:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
	Elective Course-II (Turkish Students) MDCN181 Forensic Sciences MDCN182 Art & Craft For Medicine Students MDCN186 Modern Indian Dance	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu

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	MDCN187 Aerial Fitness And High Intensty Interval Training	
<b>Tuesday</b>	<b>27 November</b>	
<b>08:40-09:30</b>	<b>ICS-2: Student Research Activity</b>	Dr. İlke Akçay, Dr. Özge Cumaoğulları Eker
<b>09:40-10:30</b>	<b>ICS-2: Student Research Activity</b>	Dr. İlke Akçay, Dr. Özge Cumaoğulları Eker
<b>10:40-11:30</b>	<b>ICS-2: Student Research Activity</b>	Dr. İlke Akçay, Dr. Özge Cumaoğulları Eker
<b>11:40-12:30</b>	<b>ICS-2: Student Research Activity</b>	Dr. İlke Akçay, Dr. Özge Cumaoğulları Eker
<b>13:40-14:30</b>	Pharmacotherapy in bacterial infections: Macrolides	Dr. Kemal Berkman
<b>14:40-15:30</b>	General principles of anticancer therapy	Dr. Eren Sakallı
<b>15:40-16:30</b>	Pharmacotherapy in bacterial infections: Broad spectrum antibiotics	Dr. Eren Sakallı
<b>16:40-17:30</b>	Pharmacotherapy in fungal infections	Dr. Eren Sakallı
<b>Wednesday</b>	<b>28 November</b>	
<b>08:40-09:30</b>	STUDY TIME	
<b>09:40-10:30</b>	Neisseria, Moraxella and their pathogenic properties	Dr. Arzu İlki
<b>10:40-11:30</b>	Gram negative small nonenteric bacilli (Haemophilus, Brucella, Bordetella) and their pathogenic properties	Dr. Arzu İlki
<b>11:40-12:30</b>	Gram negative curved bacilli (Vibrio, Campylobacter, Helicobacter) and their pathogenic properties	Dr. Arzu İlki
<b>13:40-14:30</b>	Mycobacteria, related microorganisms (Actinomyces, Nocardia) and their pathogenic properties	Dr. Arzu İlki
<b>14:40-15:30</b>	Mycobacteria, related microorganisms (Actinomyces, Nocardia) and their pathogenic properties	Dr. Arzu İlki
<b>15:40-16:30</b>	<b>Microbiology LAB:</b> Examination of gram positive & gram-negative cocci-I	Dr. Arzu İlki, Dr. Mümtaz Güran
<b>16:40-17:30</b>	<b>Microbiology LAB:</b> Examination of gram positive & gram-negative cocci-I	Dr. Arzu İlki, Dr. Mümtaz Güran
<b>Thursday</b>	<b>29 November</b>	
<b>08:40-09:30</b>	Autopsy	Dr. Kemal Türköz
<b>09:40-10:30</b>	Collection and transport of specimen to laboratory	Dr. Arzu İlki
<b>10:40-11:30</b>	<b>Microbiology LAB:</b> Examination of gram positive & gram-negative cocci-II	Dr. Arzu İlki, Dr. Mümtaz Güran
<b>11:40-12:30</b>	<b>Microbiology LAB:</b> Examination of gram positive & gram-negative cocci-II	Dr. Arzu İlki, Dr. Mümtaz Güran
<b>13:40-14:30</b>	General approach to the laboratory diagnosis of infectious diseases	Dr. Arzu İlki
<b>14:40-15:30</b>	<b>Microbiology LAB:</b> Examination of Mycobacteria, Actinomyces, and Nocardia	Dr. Arzu İlki, Dr. Mümtaz Güran
<b>15:40-16:30</b>	<b>Microbiology LAB:</b> Examination of Mycobacteria, Actinomyces, and Nocardia	Dr. Arzu İlki, Dr. Mümtaz Güran
<b>16:40-17:30</b>	Tumors and tumor like lesions	Dr. Kemal Türköz
<b>Friday</b>	<b>30 November</b>	

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<b>08:40-09:30</b>	STUDY TIME	
<b>09:40-10:30</b>	Infectious diseases-Morphologic patterns of injury-1	Dr. Kemal Türköz
<b>10:40-11:30</b>	Infectious diseases-Morphologic patterns of injury-2	Dr. Kemal Türköz
<b>11:40-12:30</b>	Infectious diseases-Morphologic patterns of injury-3	Dr. Kemal Türköz
<b>13:40-14:30</b>	<b>Pathology LAB:</b> Pathological evaluation of neoplastic lesions-A	Dr. Kemal Türköz
<b>14:40-15:30</b>	<b>Pathology LAB:</b> Pathological evaluation of neoplastic lesions-A	Dr. Kemal Türköz
<b>15:40-16:30</b>	<b>Pathology LAB:</b> Pathological evaluation of neoplastic lesions-B	Dr. Kemal Türköz
<b>16:40-17:30</b>	<b>Pathology LAB:</b> Pathological evaluation of neoplastic lesions-B	Dr. Kemal Türköz
<b>Week 7 (03-07 December 2018)</b>		
<b>Monday</b>	<b>03 December</b>	
<b>08:40-09:30</b>	STUDY TIME	
<b>09:40-10:30</b>	STUDY TIME	
<b>10:40-11:30</b>	STUDY TIME	
<b>11:40-12:30</b>	STUDY TIME	
<b>13:40-14:30</b>	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
<b>14:40-15:30</b>	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
<b>15:40-16:30</b>	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
	Elective Course-II (Turkish Students) MDCN181 Forensic Sciences MDCN182 Art & Craft For Medicine Students MDCN186 Modern Indian Dance MDCN187 Aerial Fitness And High Intensty Interval Training	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu
<b>16:40-17:30</b>	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç
	Elective Course-II (Turkish Students) MDCN181 Forensic Sciences MDCN182 Art & Craft For Medicine Students MDCN186 Modern Indian Dance MDCN187 Aerial Fitness And High Intensty Interval Training	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu
<b>Tuesday</b>	<b>04 December</b>	
<b>08:40-09:30</b>	STUDY TIME	
<b>09:40-10:30</b>	Anaerobic gram positive bacteria and their pathogenic properties	Dr. Nurver Ülger
<b>10:40-11:30</b>	Anaerobic gram negative bacteria and their pathogenic properties	Dr. Nurver Ülger
<b>11:40-12:30</b>	Gram negative small nonenteric bacilli (Legionella, Francisella, Pasteurella) and their pathogenic properties	Dr. Nurver Ülger
<b>13:40-14:30</b>	<b>ICS-2:</b> Student Research Activity	
<b>14:40-15:30</b>	<b>ICS-2:</b> Student Research Activity	
<b>15:40-16:30</b>	<b>ICS-2:</b> Student Research Activity	
<b>16:40-17:30</b>	<b>ICS-2:</b> Student Research Activity	
<b>Wednesday</b>	<b>05 December</b>	
<b>08:40-09:30</b>	STUDY TIME	
<b>09:40-10:30</b>	Aerobic gram positive bacilli and their pathogenetic properties	Dr. Nurver Ülger
<b>10:40-11:30</b>	<b>Microbiology LAB:</b> Examination of spore forming & non-spore forming bacilli	Dr. Nurver Ülger, Dr. Mümtaz Güran

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11:40-12:30	<b>Microbiology LAB:</b> Examination of spore forming & non-spore forming bacilli	Dr. Nurver Ülger, Dr. Mümtaz Güran
13:40-14:30	Medically important yeasts and their pathogenic mechanisms	Dr. Burak Aksu
14:40-15:30	Medically important yeasts and their pathogenic mechanisms	Dr. Burak Aksu
15:40-16:30	<b>Microbiology LAB:</b> Examination of curved & nonenteric gram negative bacilli	Dr. Burak Aksu, Dr. Mümtaz Güran
16:40-17:30	<b>Microbiology LAB:</b> Examination of curved & nonenteric gram negative bacilli	Dr. Burak Aksu, Dr. Mümtaz Güran
<b>Thursday</b>	<b>06 December</b>	
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	
<b>Friday</b>	<b>07 December</b>	
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	
<b>Week 8 (10-14 December 2018)</b>		
<b>Monday</b>	<b>10 December</b>	
08:40-10:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	<b>Microbiology LAB:</b> Examination of yeast & molds	Dr. Mümtaz Güran
11:40-12:30	<b>Microbiology LAB:</b> Examination of yeast & molds	Dr. Mümtaz Güran
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
<b>Tuesday</b>	<b>11 December</b>	
08:40-09:30	<b>MICROBIOLOGY PRACTICAL EXAMINATION</b>	Dr. Mümtaz Güran
09:40-10:30		
10:40-11:30		



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11:40-12:30	(Starts at 09:30)	
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Wednesday	12 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	13 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	14 December	
08:40-09:30	Y2C2 THEORETICAL EXAM (09:30 a.m.)	
09:40-10:30		
10:40-11:30		
11:40-12:30		
	Courses postponed to next committee	
	Enterobacteriaceae and their pathogenic properties	Dr. Güner Söyledir
	Enterobacteriaceae and their pathogenic properties	Dr. Güner Söyledir
	Non-fermentative bacteria and their pathogenic properties	Dr. Güner Söyledir
	<b>Microbiology LAB:</b> Examination of Enterobacteriaceae & non-fermentative gram-negative bacilli-II	Dr. Burak Aksu, Dr. Mümtaz Güran
	<b>Microbiology LAB:</b> Examination of Enterobacteriaceae & non-fermentative gram-negative bacilli-II	Dr. Burak Aksu, Dr. Mümtaz Güran

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