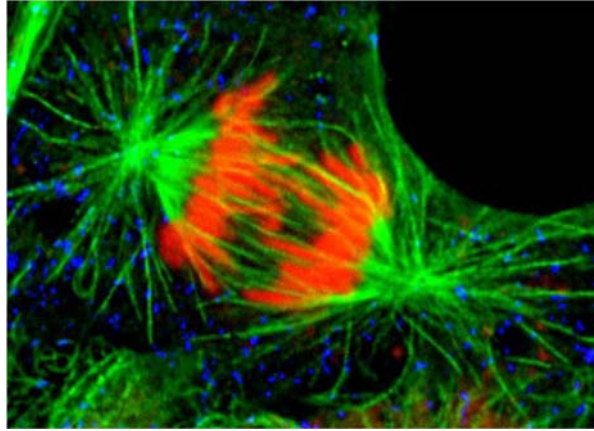




**MARMARA UNIVERSITY – EASTERN MEDITERRANEAN
UNIVERSITY INTERNATIONAL MEDICAL SCHOOL**



**INTRODUCTION TO CELL AND CELLULAR REPLICATION
YEAR 1 COURSE 1
September 24th, 2018 – November 23th, 2018**

Coordinator of the Course 1.1

Prof., Mustafa AKKİPRİK & Assoc. Prof., Dilek AKAKIN & Assist. Prof., Ergül MUTLU ALTUNDAĞ

Module Coordinator Assoc. Prof., Özlem SARIKAYA & Inst. Dr. Berfu ÇERÇİ ÖNGÜN	Introduction to Clinician Skills (ICS) Coordinators Assoc. Prof., Pemra ÜNALAN & Assist. Prof. Dr. Bülent SEZGİN
Coordinator of Clinical Skill Lab. Assoc. Prof., Pemra ÜNALAN & Assist. Prof. Dr. Bülent SEZGİN	Coordinator of ICS Res. Lab. Prof., Sibel SAKARYA & Assist. Prof., İlke AKÇAY
Coordinator of Multidisciplinary Students' Lab. Assoc. Prof., Betül KARADEMİR & Assist. Prof., Mümtaz GÜRAN	Coordinator of Assessment Unite Assist. Prof., Cevdet NACAR & Assist. Prof., Hasan TOPER & Assist. Prof., H. Eren SAKALLI & Assist. Prof., Masoud AFSHANI
Vice-Chief Coordinators	
Assessment Assist. Prof., Cevdet NACAR & Assist. Prof., Mümtaz GÜRAN	Students' Affairs Assist. Prof., Can ERZİK & Assist. Prof., İlke AKÇAY & Assist. Prof., Mümtaz GÜRAN
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.

INTRODUCTION TO CELL AND CELLULAR REPLICATION

AIM and LEARNING OBJECTIVES of COURSE

Aim: At the end of this committee, first year students will gain knowledge about structure, function and mechanisms in human biology at the molecular and cellular levels with a specific emphasis on cellular replication and genetics.

Learning Objectives: At the end of this committee, students will,

- Identify and describe the development, structure and function of cell and its subcomponents
- Evaluate the biochemical process of the cell
- Understand cell division process and related mechanisms
- Describe the genetics mechanisms and protein biosynthesis
- Understand genetic variation in individuals
- Describe the molecular mechanisms of genetic inheritance and genetic basis of inherited disease

Acquire skills necessary to perform experimental applications

ASSESSMENT SYSTEM

Module examination: Written exam at the end of module (10 % of final score)
 Practical examination: Practical exams at the end of course
 Course examination: Written exam at the end of course

PROGRAM EVALUATION

Evaluation at the end of the course, is done both orally and by using structured evaluation forms

DEPARTMENTS PARTICIPATING IN COURSE-1 & MODULE-1	
<ul style="list-style-type: none"> • Biochemistry • Biophysics • Biostatistics • Chemistry • Histology & Embryology 	<ul style="list-style-type: none"> • Medical Biology • Medical Genetics • Medical History and Ethics • Pediatrics
LECTURERS / TUTORS	
<p>Ayfer CİVİSİLLİ, Instructor, Medical English Ayşe KOZANSOY, Instructor, Medical English Berfu Çerçi ÖNGÜN, Instructor, Anatomy Betül KARADEMİR, Assoc. Professor, Biochemistry Bülent SEZGİN, Instructor, Internal Medicine Cemal GÜRKAN, Instructor, Forensic Sciences Cevdet NACAR, Assist. Professor, Biophysics Duygu GENÇALP, Instructor, Biochemistry Ergül MUTLU ALTUNDAĞ, Assist. Professor, Biochemistry Goncagül HAKLAR, Professor, Medical Biochemistry Huriye İCİL, Professor, Chemistry İlke AKÇAY, Assist. Professor, Biostatistics İlter GÜNEY, Assist. Professor, Medical Genetics Masoud AFSHANI, Assist. Professor, Histology and Embryology Mine Özeriç, ,Instructor, Turkish Language</p>	<p>Mümtaz GÜRAN, Assist. Professor, Microbiology Mustafa AKKİPRİK, Professor, Medical Biology Nevber İSTİLLOZLU, Instructor, Turkish Language Nurtane KARAGİL, Instructor, Arts and Crafts Önder ŞİRİKÇİ, Professor, Medical Biochemistry Özge CUMAOĞULLARI, , Instructor, Molecular Genetics Pemra ÜNALAN, Professor, Family Medicine Pınar Mega TİBER, Assist. Professor, Biophysics Saime BATIREL, Assist. Professor, Medical Biochemistry Serap ŞİRVANCI, Assoc. Professor, Histology and Embryology Şefik GÖRKEY, Professor, History of Medicine and Ethics Şerife ÇELEBİ SÖKMEZ, Instructor, Turkish Language Şükrü TÜZMEN, Assoc. Professor, Medical Biology Turgay Bülent GÖKTÜRK, Assist. Professor, Atatürk's Principles and History of Modern Turkey</p>
READING / STUDYING MATERIALS	
<ul style="list-style-type: none"> • Basic Histology, Junqueira, Corneiro, 8th Ed., Lange • Başlangıcından Rönesansa Kadar Tıp Tarihi, Emine Atabek, Şefik Görkey • Biochemistry, Stryer, 4th Ed., Freeman • Biochemistry, Zubay, 3rd Ed., WCB • Color Textbook of Histology, Gatrner, Hiatt, WB Saunders • Harper's Biochemistry, Murray, Granner, 23rd Ed., Lange • Histology: A Text and Atlas, Ross, Romwell, 3rd, Lippincott • History of Medicine Ders Notları, Şefik Görkey • Leninger Principles of Biochemistry, Nelson, Cox, 3rd, Worth • Medicine: An Illustrated History, Albert S. Lyons, R. Joseph Petrucelli, • Molecular Biology of the Cell, Alberts, Bray, 6rd Ed., Garland • Physics, Giancoli, 4th Ed., Prentice Hall • The Cell: A Molecular Approach, Cooper, 2nd Ed., ASM Press • Türk Tıp Tarihi, Bedi Şeyhsuvaroğlu, Gönül Cantay. 	

SUMMARY OF THE COURSE 1.1			
Discipline	Lecture & Group Discussion	Multidisciplinary Lab. & Clinical Skills Lab. Practice	Total
Biochemistry	27	8	35
Biophysics	5		5
Biostatistics	6		6
Chemistry	20		20
Histology and Embryology	7	4	11
Medical Biology	34		34
Medical Genetics	1		1
Medical History and Ethics	12		12
Pediatrics	2		2
Subtotal	114	12	126
PBL Module		8	8
TOTAL	114	20	134
ICP-1: First Aid Course (FA)		20	20
ICP-1: Students' Research Activity (SRA)		7	7
ENGL131 - Medical English	12		12
HIST180 - Atatürk's Principles and the History of Turkish Renovation (for Turkish students)	12		12
TFMS101- Turkish for Medical Students I (Interactive Session For Foreign Students)	9		
TFMS101 – Turkish for Medical Students-I (Foreign Students)	28		28
Elective Courses MDCN181, MDCN182	14		14
TOTAL	189	47	236

THEORETICAL AND PRACTICAL SESSIONS		LECTURER/TUTOR
1st Week (24-28 September 2018)		
Monday	24 September	
08:40-09:30	Opening Ceremony	
09:40-10:30	Opening Speeches	
10:40-11:30	Opening Lecture	Prof. Dr. Osman Yeşildağ
11:40-12:30	White Coat Ceremony	
	Welcoming Cocktail	
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	25 September	
08:40-09:30	STUDY TIME	

09:40-10:30	Medical Education in Dr. Fazıl Küçük Faculty of Medicine Introduction to course	Dr. Mümtaz Güran
10:40-11:30	Atatürk's Principles and History of Modern Turkey (for Turkish students)	Dr. Turgay Bülent Göktürk
11:40-12:30	Atatürk's Principles and History of Modern Turkey (for Turkish students)	Dr. Turgay Bülent Göktürk
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	Introduction to ICS	Dr. Pemra Ünalın
Wednesday	26 September	
08:40-09:30	Origin of life	Dr. Şükrü Tüzmen
09:40-10:30	Molecular recognition process	Dr. Şükrü Tüzmen
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	Biomolecules and water	Dr. Önder Şirikçi
14:40-15:30	Biomolecules and water	Dr. Önder Şirikçi
15:40-16:30	Solubility, pH and buffers	Dr. Önder Şirikçi
16:40-17:30	Solubility, pH and buffers	Dr. Önder Şirikçi
Thursday	27 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	PBL Orientation	
14:40-15:30	PBL Orientation	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Friday	28 September	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	PBL Module -1	Dr. Berfu Çerçi Öngün Dr. İlke Akçay Dr. Ergül Mutlu Altundağ Inst. Duygu Gençalp Inst. Hüseyin Bıyıkoğlu
11:40-12:30		
13:40-14:30	Introduction to organic chemistry	Dr. Huriye İcil

14:40-15:30	Chemical compounds	Dr. Huriye İcil
15:40-16:30	Atoms and atomic theory , atomic properties and periodic table	Dr. Huriye İcil
16:40-17:30	STUDY TIME	
2nd Week (01-05 October 2018)		
Monday	01 October	
08:40-09:30	TFMS101 – Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Çelebi Sökmez Inst. Nevber İstillozlu
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Civişilli Inst. Ayşe Kozansoy
14:40-15:30		
15:40-16:30	MDCN-181-Forensic Sciences MDCN-182-Art and Craft for Medicine Students	Cemal Gürkan Nurtane Karagil
16:40-17:30		
Tuesday	02 October	
08:40-09:30	Cellular organisation of life	Dr. Şükrü Tüzmen
09:40-10:30	Cellular organisation of life	Dr. Şükrü Tüzmen
10:40-11:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk
11:40-12:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk
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	03 October	
08:40-09:30	Chemical bonds: ionic and covalent	Dr. Huriye İcil
09:40-10:30	Nucleic acids	Dr. Şükrü Tüzmen
10:40-11:30	Nucleus and nuclear genome	Dr. Şükrü Tüzmen
11:40-12:30	Genes and heredity	Dr. Şükrü Tüzmen
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	04 October	
08:40-09:30	Microscope	Dr. Serap Şirvancı
09:40-10:30	Microscope	Dr. Serap Şirvancı
10:40-11:30	Cellular organelles and inclusions at LM and EM level	Dr. Serap Şirvancı
11:40-12:30	Cellular organelles and inclusions at LM and EM level	Dr. Serap Şirvancı
13:40-14:30	Histology LAB: Cell Types - Group A	Dr. Serap Şirvancı, Dr. Masoud Afshani
14:40-15:30	Histology LAB: Cell Types - Group A	Dr. Serap Şirvancı, Dr. Masoud Afshani
15:40-16:30	Histology LAB: Cell Types - Group B	Dr. Serap Şirvancı, Dr. Masoud Afshani
16:40-17:30	Histology LAB: Cell Types - Group B	Dr. Serap Şirvancı, Dr. Masoud Afshani
Friday	05 October	
08:40-09:30	Chemical reactions and equilibrium	Dr. Huriye İcıl
09:40-10:30	Histotechniques	Dr. Serap Şirvancı
10:40-11:30	Nucleus and cell division	Dr. Serap Şirvancı
11:40-12:30	Nucleus and cell division	Dr. Serap Şirvancı
13:40-14:30	Histology LAB: Cell division - Group A	Dr. Serap Şirvancı, Dr. Masoud Afshani
14:40-15:30	Histology LAB: Cell division - Group A	Dr. Serap Şirvancı, Dr. Masoud Afshani
15:40-16:30	Histology LAB: Cell division - Group B	Dr. Serap Şirvancı, Dr. Masoud Afshani
16:40-17:30	Histology LAB: Cell division - Group B	Dr. Serap Şirvancı, Dr. Masoud Afshani
3rd Week (08-12 October 2018)		
Monday	08 October	
08:40-09:30	TFMS101 – Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Çelebi Sökmez Inst. Nevber İstillozlu
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Civişilli Inst. Ayşe Kozansoy
14:40-15:30		

15:40-16:30	MDCN-181-Forensic Sciences	Cemal Gürkan Nurtane Karagil
16:40-17:30	MDCN-182-Art and Craft for Medicine Students	
Tuesday	9 October	
08:40-09:30	DNA replication	Dr. Şükrü Tüzmen
09:40-10:30	DNA replication	Dr. Şükrü Tüzmen
10:40-11:30	Atatürk's Principles and History of Modern Turkey (for Turkish students)	Dr. Turgay Bülent Göktürk
11:40-12:30	Atatürk's Principles and History of Modern Turkey (for Turkish students)	Dr. Turgay Bülent Göktürk
13:40-14:30	Amino acids	Dr. Önder Şirikçi
14:40-15:30	Amino acids	Dr. Önder Şirikçi
15:40-16:30	Structure of carbohydrates	Dr. Önder Şirikçi
16:40-17:30	Structure of carbohydrates	Dr. Önder Şirikçi
Wednesday	10 October	
08:40-09:30	Cell cycle	Dr. Şükrü Tüzmen
09:40-10:30	Packaging chromosomal DNA	Dr. Şükrü Tüzmen
10:40-11:30	Recombination	Dr. Şükrü Tüzmen
11:40-12:30	Protein structure and function-1	Dr. Betül Karademir
13:40-14:30	Protein structure and function-1	Dr. Betül Karademir
14:40-15:30	Protein structure and function-2	Dr. Betül Karademir
15:40-16:30	Protein structure and function-2	Dr. Betül Karademir
16:40-17:30	STUDY TIME	
Thursday	11 October	
08:40-09:30	TURKISH PLACEMENT TEST	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Information content of DNA	Dr. Cevdet Nacar
14:40-15:30	Chemical reactions and equilibrium	Dr. Huriye İcil
15:40-16:30	Acids and bases	Dr. Huriye İcil
16:40-17:30	Acids and bases	Dr. Huriye İcil
Friday	12 October	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	PBL Module -2	Dr. Berfu Çerçi Öngün Dr. İlke Akçay

		Dr. Ergül Mutlu Altundağ Inst. Duygu Gençalp Inst. Hüseyin Bıyıkoğlu
11:40-12:30	STUDY TIME	
13:40-14:30	ICS-1 Introduction to ICS-research	Dr. İlke Çetin Akçay Dr. Özge Cumaoğulları
14:40-15:30	ICS-1 Philosophy of Research &Scientific approach	Dr. İlke Çetin Akçay Dr. Özge Cumaoğulları
15:40-16:30	ICS-1 Global look to different research designs	Dr. İlke Çetin Akçay Dr. Özge Cumaoğulları
16:40-17:30	Structure of nucleic acids	Dr. Ergül Mutlu Altundağ
4th Week (15-19 October 2018)		
Monday	15 October	
08:40-09:30	TFMS101 – Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Çelebi Sökmez Inst. Nevber İstillozlu
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Civişilli Inst. Ayşe Kozansoy
14:40-15:30		
15:40-16:30	MDCN-181-Forensic Sciences MDCN-182-Art and Craft for Medicine Students	Cemal Gürkan Nurtane Karagil
16:40-17:30		
Tuesday	16 October	
08:40-09:30	Cell division kinetics	Dr. Şükrü Tüzmen
09:40-10:30	Mitosis	Dr. Şükrü Tüzmen
10:40-11:30	Enzymes: Introduction	Dr. Saime Batirel
11:40-12:30	Enzymes: Introduction	Dr. Saime Batirel
13:40-14:30	Biochemistry Lab: Spectrophotometer - Group A	Dr. Saime Batirel Dr. Ergül Mutlu Altundağ Inst. Duygu Gençalp
14:40-15:30	Biochemistry Lab: Spectrophotometer - Group A	Dr. Saime Batirel Dr. Ergül Mutlu Altundağ Inst. Duygu Gençalp
15:40-16:30	Biochemistry Lab: Spectrophotometer - Group A	Dr. Saime Batirel Dr. Ergül Mutlu Altundağ Inst. Duygu Gençalp
16:40-17:30	Biochemistry Lab: Spectrophotometer - Group A	Dr. Saime Batirel Dr. Ergül Mutlu Altundağ

		Inst. Duygu Gençalp
Wednesday	17 October	
08:40-09:30	Enzymes: Mechanism of action	Dr. Saime Batirel
09:40-10:30	Enzymes: Mechanism of action	Dr. Saime Batirel
10:40-11:30	Enzymes: Regulation	Dr. Saime Batirel
11:40-12:30	Enzymes: Regulation	Dr. Saime Batirel
13:40-14:30	Biochemistry Lab: Spectrophotometer - Group B	Dr. Saime Batirel, Dr. Ergül Mutlu Altundağ Inst. Duygu Gençalp
14:40-15:30	Biochemistry Lab: Spectrophotometer - Group B	Dr. Saime Batirel, Dr. Ergül Mutlu Altundağ Inst. Duygu Gençalp
15:40-16:30	Biochemistry Lab: Spectrophotometer - Group B	Dr. Saime Batirel, Dr. Ergül Mutlu Altundağ Inst. Duygu Gençalp
16:40-17:30	Biochemistry Lab: Spectrophotometer - Group B	Dr. Saime Batirel , Dr. Ergül Mutlu Altundağ Inst. Duygu Gençalp
Thursday	18 October	
08:40-09:30	Y2C1 THEORETICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Biochemistry LAB: Urease - Group A	Dr. Betül Karademir, Dr. Ergül Mutlu Altundağ Inst.Duygu Gençalp
14:40-15:30	Biochemistry LAB: Urease - Group A	Dr. Betül Karademir, Dr. Ergül Mutlu Altundağ Inst.Duygu Gençalp
15:40-16:30	Biochemistry LAB: Urease - Group A	Dr. Betül Karademir, Dr. Ergül Mutlu Altundağ Inst.Duygu Gençalp
16:40-17:30	Biochemistry LAB: Urease - Group A	Dr. Betül Karademir, Dr. Ergül Mutlu Altundağ Inst.Duygu Gençalp
Friday	19 October	
08:40-09:30	Y3C1 THEORETICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30		Biochemistry LAB: Urease - Group B

		Dr. Ergül Mutlu Altundağ, Inst.Duygu Gençalp
14:40-15:30	Biochemistry LAB: Urease - Group B	Dr. Betül Karademir, Dr. Ergül Mutlu Altundağ, Inst.Duygu Gençalp
15:40-16:30	Biochemistry LAB: Urease - Group B	Dr. Betül Karademir, Dr. Ergül Mutlu Altundağ, Inst.Duygu Gençalp
16:40-17:30	Biochemistry LAB: Urease - Group B	Dr. Betül Karademir, Dr. Ergül Mutlu Altundağ Inst.Duygu Gençalp
5th Week (22 October – 26 October 2018)		
Monday	22 October	
08:40-09:30	TFMS101 – Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Çelebi Sökmez Inst. Nevber İstillozlu
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Civişilli Inst. Ayşe Kozansoy
14:40-15:30		
15:40-16:30	MDCN-181-Forensic Sciences MDCN-182-Art and Craft for Medicine Students	Cemal Gürkan Nurtane Karagil
16:40-17:30		
Tuesday	23 October	
08:40-09:30	Meiosis	Dr. Şükrü Tüzmen
09:40-10:30	Introduction to genetics	Dr. Şükrü Tüzmen
10:40-11:30	Atatürk's Principles and History of Modern Turkey (for Turkish students)	Dr. Turgay Bülent Göktürk
11:40-12:30	Atatürk's Principles and History of Modern Turkey (for Turkish students)	Dr. Turgay Bülent Göktürk
13:40-14:30	Turkish for Medical Students I (Interactive Session For Foreign Students)	Inst. Mine Özeriç
14:40-15:30	Turkish for Medical Students I (Interactive Session For Foreign Students)	Inst. Mine Özeriç
15:40-16:30	ICS:1 Research: Literature Review	Dr. İlke Çetin Akçay Dr. Özge Cumaogulları
16:40-17:30	ICS:1 Research: Literature Review	Dr. İlke Çetin Akçay Dr. Özge Cumaogulları

Wednesday	24 October	
08:40-09:30	Fundamentals to Mendelian genetics	Dr. Şükrü Tüzmen
09:40-10:30	RNA synthesis and processing	Dr. Şükrü Tüzmen
10:40-11:30	RNA synthesis and processing	Dr. Şükrü Tüzmen
11:40-12:30	Regulation of gene expression	Dr. Şükrü Tüzmen
13:40-14:30	Regulation of gene expression	Dr. Şükrü Tüzmen
14:40-15:30	Turkish for Medical Students I (Interactive Session For Foreign Students)	Inst. Mine Özeriç
15:40-16:30	Turkish for Medical Students I (Interactive Session For Foreign Students)	Inst. Mine Özeriç
16:40-17:30	Turkish for Medical Students I (Interactive Session For Foreign Students)	Inst. Mine Özeriç
Thursday	25 October	
08:40-09:30	What is statistics and biostatistics?	Dr. İlke Çetin Akçay
09:40-10:30	Statistics in medical research	Dr. İlke Çetin Akçay
10:40-11:30	Molecular transmission of genetic information	Dr. Ergül Mutlu Altundağ
11:40-12:30	Molecular transmission of genetic information	Dr. Ergül Mutlu Altundağ
13:40-14:30	Structure of lipids	Dr. Goncagül Haklar
14:40-15:30	Structure of lipids	Dr. Goncagül Haklar
15:40-16:30	Turkish for Medical Students I (Interactive Session For Foreign Students)	Inst. Mine Özeriç
16:40-17:30	Turkish for Medical Students I (Interactive Session For Foreign Students)	Inst. Mine Özeriç
Friday	26 October	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Designing research	Dr. İlke Çetin Akçay
11:40-12:30	Types of data	Dr. İlke Çetin Akçay
13:40-14:30	PBL Module -3	Dr. Berfu Çerçi Öngün
14:40-15:30		Dr. İlke Akçay Dr. Ergül Mutlu Altundağ Inst. Duygu Gençalp Inst. Hüseyin Bıyıkoğlu
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
6th Week (29 October – 02 November 2018)		
Monday	29 October	
08:40-09:30	THE REPUBLIC DAY OF TURKEY	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		

15:40-16:30		
16:40-17:30		
Tuesday	30 October	
08:40-09:30	Chemical kinetics and reaction mechanisms	Dr. Huriye İcil
09:40-10:30	Chemical kinetics and reaction mechanisms	Dr. Huriye İcil
10:40-11:30	Atatürk's Principles and History of Modern Turkey (for Turkish students)	Dr. Turgay Bülent Göktürk
11:40-12:30	Atatürk's Principles and History of Modern Turkey (for Turkish students)	Dr. Turgay Bülent Göktürk
13:40-14:30	Cellular effects of tobacco use	Dr. Elif Dağlı
14:40-15:30	Cellular effects of tobacco use	Dr. Elif Dağlı
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Wednesday	31 October	
08:40-09:30	Mutations and polymorphisms	Dr. Şükrü Tüzmen
09:40-10:30	DNA Repair	Dr. Şükrü Tüzmen
10:40-11:30	Multifactorial inheritance	Dr. Şükrü Tüzmen
11:40-12:30	Cytogenetics	Dr. Dr. Ahmet İter Güney
13:40-14:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin
14:40-15:30	ICS-1: First-Aid Course	Dr. Halil Eren Sakallı
15:40-16:30	ICS-1: First-Aid Course	Dr. Hasan Toper
16:40-17:30	ICS-1: First-Aid Course	Dr. Didem Rıfkı Dr. Cihan Tüccar
Thursday	01 November	
08:40-09:30	Protein synthesis	Dr. Şükrü Tüzmen
09:40-10:30	Protein synthesis	Dr. Şükrü Tüzmen
10:40-11:30	ICS Research: Student Research Activity	Dr. İlke Çetin Akçay Dr. Özge Cumaoğulları
11:40-12:30	ICS Research: Student Research Activity	Dr. İlke Çetin Akçay Dr. Özge Cumaoğulları
13:40-14:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin
14:40-15:30	ICS-1: First-Aid Course	Dr. Halil Eren Sakallı
15:40-16:30	ICS-1: First-Aid Course	Dr. Hasan Toper
16:40-17:30	ICS-1: First-Aid Course	Dr. Didem Rıfkı Dr. Cihan Tüccar
Friday	02 November	
08:40-09:30	Thermochemistry (chemical energetics)	Dr. Huriye İcil

09:40-10:30	Thermochemistry (chemical energetics)	Dr. Huriye İcil
10:40-11:30	Describing the data with graphics	Dr. İlke Çetin Akçay
11:40-12:30	Describing the data with graphics	Dr. İlke Çetin Akçay
13:40-14:30	Posttranscriptional and posttranslational modifications	Dr. Saime Batirel
14:40-15:30	Posttranscriptional and posttranslational modifications	Dr. Saime Batirel
15:40-16:30	Mechanism of signal transduction	Dr. Saime Batirel
16:40-17:30	Mechanism of signal transduction	Dr. Saime Batirel
7th Week (05-09 November 2018)		
Monday	05 November	
08:40-09:30	TFMS101 – Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Çelebi Sökmez Inst. Nevber İstillozlu
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Civişilli Inst. Ayşe Kozansoy
14:40-15:30		
15:40-16:30	MDCN-181-Forensic Sciences MDCN-182-Art and Craft for Medicine Students	Cemal Gürkan Nurtane Karagil
16:40-17:30		
Tuesday	06 November	
08:40-09:30	Population genetics	Dr. Şükrü Tüzmen
09:40-10:30	Chromosome structure, function and anomalies	Dr. Şükrü Tüzmen
10:40-11:30	Chromosome structure, function and anomalies	Dr. Şükrü Tüzmen
11:40-12:30	Viruses, plasmids, transposable genetic elements	Dr. Şükrü Tüzmen
13:40-14:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin Dr. Halil Eren Sakallı Dr. Hasan Toper Dr. Didem Rıfki Dr. Cihan Tüccar
14:40-15:30	ICS-1: First-Aid Course	
15:40-16:30	ICS-1: First-Aid Course	
16:40-17:30	ICS-1: First-Aid Course	
Wednesday	07 November	
08:40-09:30	Detection of nucleic acids	Dr. Şükrü Tüzmen
09:40-10:30	Tools of cell biology	Dr. Şükrü Tüzmen
10:40-11:30	Solubility and complex ion equilibrium	Dr. Huriye İcil
11:40-12:30	Solubility and complex ion equilibrium	Dr. Huriye İcil
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	08 November	
08:40-09:30	Introduction to biophysics – I	Dr. Pınar Mega Tiber
09:40-10:30	Introduction to biophysics – I	Dr. Pınar Mega Tiber
10:40-11:30	Introduction to biophysics – I	Dr. Pınar Mega Tiber
11:40-12:30	Introduction to biophysics – I	Dr. Pınar Mega Tiber
13:40-14:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin
14:40-15:30	ICS-1: First-Aid Course	Dr. Halil Eren Sakallı
15:40-16:30	ICS-1: First-Aid Course	Dr. Hasan Toper
16:40-17:30	ICS-1: First-Aid Course	Dr. Didem Rıfkı Dr. Cihan Tüccar
Friday	09 November	
08:40-09:30	ICS-1: Topic and Research Question	Dr. İlke Akçay Dr. Özge Cumaoğulları
09:40-10:30	ICS-1: Topic and Research Question	Dr. İlke Akçay Dr. Özge Cumaoğulları
10:40-11:30	PBL Module -4	Dr. Berfu Çerçi Öngün Dr. İlke Akçay Dr. Ergül Mutlu Altundağ Inst. Duygu Gençalp Inst. Hüseyin Bıyıkoğlu
11:40-12:30		
13:40-14:30	Cell death and molecular mechanisms	Dr. Mustafa Akkiprik
14:40-15:30	Molecular basis of disease	Dr. Mustafa Akkiprik
15:40-16:30	Electrochemistry: oxidation and reduction	Dr. Huriye İcil
16:40-17:30	Electrochemistry: oxidation and reduction	Dr. Huriye İcil
8th Week (12-16 November 2018)		
Monday	12 November	
08:40-09:30	TFMS101 – Turkish for Medical Students-I (Foreign Students)	Inst. Şerife Çelebi Sökmez Inst. Nevber İstillozlu
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Medical English (Gr 1 & Gr 2)	
14:40-15:30		
15:40-16:30	MDCN-181-Forensic Sciences	

16:40-17:30	MDCN-182-Art and Craft for Medicine Students	Cemal Gürkan Nurtane Karagil	
Tuesday	13 November		
08:40-09:30	Turkish for Medical Students I (Interactive Session For Foreign Students)	Inst. Mine Özeriç	
09:40-10:30	Turkish for Medical Students I (Interactive Session For Foreign Students)	Inst. Mine Özeriç	
10:40-11:30	Atatürk's Principles and History of Modern Turkey (for Turkish students)	Dr. Turgay Bülent Göktürk	
11:40-12:30	Atatürk's Principles and History of Modern Turkey (for Turkish students)	Dr. Turgay Bülent Göktürk	
13:40-14:30	Turning points in History of Medicine	Dr. Şefik Görkey	
14:40-15:30	Turning points in History of Medicine	Dr. Şefik Görkey	
15:40-16:30	History of Anatomy	Dr. Şefik Görkey	
16:40-17:30	History of Anatomy	Dr. Şefik Görkey	
Wednesday	14 November		
08:40-09:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin Dr. Halil Eren Sakallı	
09:40-10:30	ICS-1: First-Aid Course	Dr. Hasan Toper Dr. Didem Rıfki Dr. Cihan Tüccar	
10:40-11:30	History of Physiology	Dr. Şefik Görkey	
11:40-12:30	Evolution of the concept of infection	Dr. Şefik Görkey	
13:40-14:30	History of surgery	Dr. Şefik Görkey	
14:40-15:30	History of human experimentation	Dr. Şefik Görkey	
15:40-16:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin Dr. Halil Eren Sakallı	
16:40-17:30	ICS-1: First-Aid Course	Dr. Hasan Toper Dr. Didem Rıfki Dr. Cihan Tüccar	
16:40-17:30	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			
Friday		16 November	
08:40-09:30		Structure of proteins	Dr. Huriye İcil
09:40-10:30	High energy compounds	Dr. Huriye İcil	

10:40-11:30	History of human experimentation	Dr. Şefik Görkey
11:40-12:30	History of medical professionalism	Dr. Şefik Görkey
13:40-14:30	History of Medicine in Seljukid and Ottoman Ages	Dr. Şefik Görkey
14:40-15:30	History of Medicine in Turkish Republic	Dr. Şefik Görkey
15:40-16:30	Structure of lipids	Dr. Huriye İcil
16:40-17:30	Structure of carbohydrates	Dr. Huriye İcil
9th Week (19-23 November 2018)		
Monday	19 November	
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	20 November	
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	21 November	
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		
Thursday	22 November	
08:40-09:30		
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		

15:40-16:30		
16:40-17:30		
Friday	23 November	
08:40-09:30	Y1C1 THEORETICAL EXAM (starts at 9:30)	
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		