



INTRODUCTION TO CELL AND CELLULAR REPLICATION
YEAR 1 COURSE 1
September 25th, 2017 – November 24th, 2017

Coordinator of the Course 1.1

Assist. Prof., Ergül MUTLU ALTUNDAĞ

Coordinator of Multidisciplinary Students' Lab.

Assist. Prof., Mümtaz GÜRAN

Coordinator of Clinical Skill Lab.

Instructor. Berfu Çerçi ÖNGÜN

Coordinator of Assessment Unite

Assist. Prof., Mümtaz GÜRAN, Assist. Prof. Dr.
Mevhibe HOCAOĞLU, Assist. Prof., H. Eren SAKALLI

Coordinator of ICS Res. LAB.

Assist. Prof., Mevhibe HOCAOĞLU

Year 1 Coordinators

Prof., Mustafa AKKİPRİK; Assoc. Prof., Dilek AKAKIN

Module Coordinator

Assoc. Prof., Özlem SARIKAYA

Introduction to Clinician Skills (ICS) Coordinators

Prof., Sibel SAKARYA, Assoc. Prof., Pemra ÜNALAN

Coordinator of Multidiciplinary Students' Lab.

Assoc. Prof., Betül KARADEMİR

Cooodinator of Assessment Unite

Assist. Prof., Cevdet NACAR

Vice-Chief Coordinators

Assessment

Assist. Prof., Cevdet NACAR

Students' Affairs

Assist. Prof., Can ERZİK

Chief Coordinator

Assoc. Prof., Hasan YANANLI

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	
<p>A. Clinical Care: Qualified patient care and community oriented health care</p> <ol style="list-style-type: none"> 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 <p>B. Medical Knowledge and Evidence-Based Medicine</p> <ol style="list-style-type: none"> 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 <p>C. Professional Attitudes and Values</p> <ol style="list-style-type: none"> 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	
<ol style="list-style-type: none"> 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	
<p style="text-align: center;">AIM and LEARNING OBJECTIVES of COURSE</p> <p>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.</p> <p>Learning Objectives: At the end of this committee, students will,</p> <ul style="list-style-type: none"> • 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 <p>Acquire skills necessary to perform experimental applications</p>	
ASSESSMENT SYSTEM	PROGRAM EVALUATION
<p>Module examination: Written exam at the end of module (10 % of final score)</p> <p>Practical examination: Practical exams at the end of course</p> <p>Course examination: Written exam at the end of course</p>	<p>Evaluation at the end of the course, is done both orally and by using structured evaluation forms</p>
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	
Aydin KARAKUZU, Professor, General Surgery Ayfer Civisilli, Instructor, Medical English Ayşe Kozansoy, Instructor, Medical English Berfu Çerçi ÖNGÜN, Instructor, Anatomy Betül KARADEMİR, Assoc. Professor, Biochemistry Bülent SEZGIN, Instructor, Internal Medicine Cemal GÜRKAN, Instructor, Forensic Sciences Cevdet NACAR, Assist. Professor, Biophysics Duygu GENÇALP, Instructor, Biochemistry Emine ÖZERİNÇ, Instructor, Turkish Language 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, Instructor, Histology and Embryology	Mevhibe HOCAOĞLU, Assist. Professor, Public Health Mümtaz GÜRAN, Assist. Professor, Microbiology Mustafa AKKIPRIK, Professor, Medical Biology Nurtane KARAGİL, Instructor, Arts and Crafts Önder ŞIRIKÇI, Professor, Medical Biochemistry 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, Instructor of Atatürk's Principles and History of Modern Turkey
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, Gatner, 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 Petrucci, • Molecular Biology of the Cell, Alberts, Bray, 6th 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. 	

Discipline	Lecture & Group Discussion	Multidisciplinary Lab. & Clinical Skills Lab. Practice	Total
Biochemistry	26	6	32
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	113	10	123
PBL Module		8	8
TOTAL	113	18	131
ICP-1: First Aid Course (FA)		20	20
ICP-1: Students' Research Activity (SRA)		3	3
ENGL131 - Medical English	14		14
HIST180 - Atatürk's Principles and the History of Turkish Renovation (for Turkish students)	12		12
TFMS101 - Turkish as a Second Language	32		32
Elective Courses MDCN181, MDCN182,MDCN184	14		14
TOTAL	185	41	226

THEORETICAL AND PRACTICAL SESSIONS		LECTURER/TUTOR
1st Week (25-29 September 2017)		
Monday	25 September	
08:40-09:30		
09:40-10:30	Opening Ceremony	Dr. Nahide Gökçora
10:40-11:30	Opening Lecture	Dr. Ayşegül Karahasan
11:40-12:30	Medical Education in Dr. Fazıl Küçük Faculty of Medicine	Dr. Mümtaz Güran Dr. Mevhibe Hocaoğlu
	Welcoming Cocktail	
13:40-14:30	Turkish as a Second Language	Inst. Emine Özerinç
14:40-15:30	Turkish as a Second Language	Inst. Emine Özerinç
15:40-16-30	Turkish as a Second Language	Inst. Emine Özerinç
16:40-17:30	Turkish as a Second Language	Inst. Emine Özerinç
Tuesday	26 September	
08:40-09:30		
09:40-10:30		
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		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Wednesday	27 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		
11:40-12:30		
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	28 September	
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	29 September	
08:40-09:30		
09:40-10:30		
10:40-11:30		
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		
2nd Week (02-06 October 2017)		
Monday	02 October	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Civisilli

		Inst. Ayşe Kozansoy
11:40-12:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Civisilli Inst. Ayşe Kozansoy
13:40-14:30	Turkish as a Second Language	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
14:40-15:30	Turkish as a Second Language	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
15:40-16:30	Turkish as a Second Language	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
16:40-17:30	Turkish as a Second Language	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
Tuesday	03 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	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	Introduction to ICS	Dr. Pemra Ünalan Dr. Bülent Sezgin Dr. Berfu Çerçi Öngün Dr. Eren Sakallı Dr. Hasan Toper
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Wednesday	04 October	
08:40-09:30	Nucleic acids	Dr. Şükrü Tüzmen
09:40-10:30	Nucleus and nuclear genome	Dr. Şükrü Tüzmen
10:40-11:30	Genes and heredity	Dr. Şükrü Tüzmen
11:40-12:30	STUDY TIME	
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
Thursday	05 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	06 October	
08:40-09:30	STUDY TIME	
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 B	Dr. Serap Şirvancı, Dr. Masoud Afshani
14:40-15:30	Histology LAB: Cell division - Group B	Dr. Serap Şirvancı, Dr. Masoud Afshani
15:40-16:30	Histology LAB: Cell division - Group A	Dr. Serap Şirvancı, Dr. Masoud Afshani
16:40-17:30	Histology LAB: Cell division - Group A	Dr. Serap Şirvancı, Dr. Masoud Afshani
3rd Week (09-13 October 2017)		
Monday	09 October	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Civisilli Inst. Ayşe Kozansoy
11:40-12:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Civisilli Inst. Ayşe Kozansoy
13:40-14:30	Elective Course – I 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
	Turkish as a Second Language	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
14:40-15:30	Elective Course – I 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
	Turkish as a Second Language	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
15:40-16:30	Turkish as a Second Language	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
16:40-17:30	Turkish as a Second Language	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
Tuesday	10 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	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16-30	STUDY TIME	
16:40-17:30	STUDY TIME	
Wednesday	11 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. Saime Batırel
13:40-14:30	Protein structure and function-1	Dr. Saime Batırel
14:40-15:30	Protein structure and function-2	Dr. Saime Batırel
15:40-16-30	Protein structure and function-2	Dr. Saime Batırel
16:40-17:30	STUDY TIME	
Thursday	12 October	
08:40-09:30	Biochemistry LAB: Spectrophotometer - Group A	Dr. Saime Batırel
09:40-10:30	Biochemistry LAB: Spectrophotometer - Group A	Dr. Saime Batırel
10:40-11:30	Biochemistry LAB: Spectrophotometer - Group B	Dr. Saime Batırel
11:40-12:30	Biochemistry LAB: Spectrophotometer - Group B	Dr. Saime Batırel
13:40-14:30	Enzymes: Introduction	Dr. Betül Karademir
14:40-15:30	Enzymes: Introduction	Dr. Betül Karademir
15:40-16-30	Enzymes: Mechanism of action	Dr. Betül Karademir
16:40-17:30	STUDY TIME	
Friday	13 October	
08:40-09:30	STUDY TIME	
09:40-10:30	Enzymes: Mechanism of action	Dr. Betül Karademir
10:40-11:30	Enzymes: Regulation	Dr. Betül Karademir
11:40-12:30	Enzymes: Regulation	Dr. Betül Karademir
13:40-14:30	Chemical bonds: ionic and covalent	Dr. Huriye İcil
14:40-15:30	Chemical reactions and equilibrium	Dr. Huriye İcil
15:40-16-30	Chemical reactions and equilibrium	Dr. Huriye İcil
16:40-17:30	STUDY TIME	

4th Week (16-20 October 2017)		
Monday	16 October	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Civisilli Inst. Ayşe Kozansoy
11:40-12:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Civisilli Inst. Ayşe Kozansoy
13:40-14:30	Elective Course – I 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
	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
14:40-15:30	Elective Course – I 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
	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
15:40-16:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
16:40-17:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
Tuesday	17 October	
08:40-09:30	Cell division kinetics	Dr. Şükrü Tüzmen
09:40-10:30	Mitosis	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	Information content of DNA	Dr. Cevdet Nacar
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Wednesday	18 October	
08:40-09:30	Meiosis	Dr. Şükrü Tüzmen
09:40-10:30	Introduction to genetics	Dr. Şükrü Tüzmen
10:40-11:30	Fundamentals to Mendelian genetics	Dr. Şükrü Tüzmen
11:40-12:30	Committee orientation for late registered students	Dr. İlke Akçay, Dr. Ergül Mutlu Altundağ, Inst. Hüseyin Bıyıkoglu
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	

15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Thursday	19 October	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	PBL Orientation	Inst. Hüseyin Bıyıkoglu
13:40-14:30	What is statistics and biostatistics?	Dr. İlke Akçay
14:40-15:30	Statistics in medical research	Dr. İlke Akçay
15:40-16:30	Acids and bases	Dr. Huriye İcil
16:40-17:30	Acids and bases	Dr. Huriye İcil
Friday	20 October	
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	PBL Module -1	Dr. Mümtaz Güran, Dr. İlke Akçay, Dr. Ergül Mutlu Altundağ, Inst. Duygu Gençalp, Inst. Hüseyin Bıyıkoglu, Inst. Yonter Meray
14:40-15:30	PBL Module -1	
15:40-16:30	Chemical kinetics and reaction mechanisms	Dr. Huriye İcil
16:40-17:30	Chemical kinetics and reaction mechanisms	Dr. Huriye İcil

5th Week (23-27 October 2017)

Monday	23 October	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Civisilli Inst. Ayşe Kozansoy
11:40-12:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Civisilli Inst. Ayşe Kozansoy
13:40-14:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
14:40-15:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
15:40-16:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
16:40-17:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
Tuesday	24 October	
08:40-09:30	RNA synthesis and processing	Dr. Şükrü Tüzmen
09:40-10:30	RNA synthesis and processing	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	Structure of nucleic acids	Dr. Ergül Altundağ
14:40-15:30	STUDY TIME	
15:40-16-30	STUDY TIME	
16:40-17:30	STUDY TIME	
Wednesday	25 October	
08:40-09:30	Protein synthesis	Dr. Şükrü Tüzmen
09:40-10:30	Protein synthesis	Dr. Şükrü Tüzmen
10:40-11:30	Posttranscriptional and posttranslational modifications	Dr. Saime Batırel
11:40-12:30	Posttranscriptional and posttranslational modifications	Dr. Saime Batırel
13:40-14:30	Mechanism of signal transduction	Dr. Saime Batırel
14:40-15:30	Mechanism of signal transduction	Dr. Saime Batırel
15:40-16-30		
16:40-17:30		
Thursday	26 October	
08:40-09:30	Y2C1 THEORETICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	ICS-1 Research: Introduction to ICS-research	Dr. Mevhibe Hocaoğlu, Dr. İlke Akçay
14:40-15:30	ICS-1 Research: Scientific approach, literature review, scientific materials	Dr. Mevhibe Hocaoğlu, Dr. İlke Akçay
15:40-16-30	ICS-1 Research: Global look to different research designs	Dr. Mevhibe Hocaoğlu, Dr. İlke Akçay
16:40-17:30	STUDY TIME	
Friday	27 October	
08:40-09:30	Y3C1 THEORETICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	PBL Module -2	Dr. Mümtaz Güran, Dr. İlke Akçay, Dr. Ergül Mutlu Altundağ, Inst. Duygu Gençalp, Inst. Hüseyin Büyükoğlu, Inst. Yönter Meray
14:40-15:30	PBL Module -2	
15:40-16-30	Thermochemistry (chemical energetics)	Dr. Huriye İcil
16:40-17:30	Solubility and complex ion equilibrium	Dr. Huriye İcil
6th Week (30 October - 03 November 2017)		
Monday	30 October	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Civisilli Inst. Ayşe Kozansoy

11:40-12:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Civisilli Inst. Ayşe Kozansoy
13:40-14:30	Elective Course – I 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
	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
14:40-15:30	Elective Course – I 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
	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
15:40-16:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
16:40-17:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
Tuesday	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	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	Structure of lipids	Dr. Goncagül Haklar
14:40-15:30	Structure of lipids	Dr. Goncagül Haklar
15:40-16:30	STUDY TIME	
16:40-17:30	Solubility and complex ion equilibrium	Dr. Huriye İcil
Wednesday	01 November	
08:40-09:30	Multifactorial inheritance	Dr. Şükrü Tüzmen
09:40-10:30	Population genetics	Dr. Şükrü Tüzmen
10:40-11:30	Designing research	Dr. İlke Akçay
11:40-12:30	Types of data	Dr. İlke Akçay
13:40-14:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin, Dr. Berfu Çerçi Öngün, Dr. Umut Altunç
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	
Thursday	02 November	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	PBL Module -3	Dr. Mümtaz Güran, Dr. İlke Akçay, Dr. Ergül Mutlu Altundağ, Inst. Duygu Gençalp, Inst. Hüseyin Bıyıkoglu, Inst. Yonter Meray
11:40-12:30	PBL Module -3	

13:40-14:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin, Dr. Halil Eren Sakalli, Dr. Hasan Toper
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	
Friday	03 November	
08:40-09:30	Biochemistry LAB: Urease - Group A	Dr. Betül Karademir, Dr. Ergül Mutlu Altundağ Inst.Duygu Gençalp
09:40-10:30	Biochemistry LAB: Urease - Group A	Dr. Betül Karademir, Dr. Ergül Mutlu Altundağ Inst.Duygu Gençalp
10:40-11:30	Biochemistry LAB: Urease - Group A	Dr. Betül Karademir, Dr. Ergül Mutlu Altundağ Inst.Duygu Gençalp
11:40-12:30	Biochemistry LAB: Urease - Group A	Dr. Betül Karademir, Dr. Ergül Mutlu Altundağ Inst.Duygu Gençalp
13:40-14:30	Biochemistry LAB: Urease - Group B	Dr. Betül Karademir, 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
7th Week (06-10 November 2017)		
Monday	06 November	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Civisilli Inst. Ayşe Kozansoy
11:40-12:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Civisilli Inst. Ayşe Kozansoy
13:40-14:30	Elective Course – I 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
	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
14:40-15:30	Elective Course – I 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
	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
15:40-16:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez

16:40-17:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
Tuesday	07 November	
08:40-09:30	Chromosome structure, function and anomalies	Dr. Şükrü Tüzmen
09:40-10:30	Chromosome structure, function and anomalies	Dr. Şükrü Tüzmen
10:40-11:30	Viruses, plasmids, transposable genetic elements	Dr. Şükrü Tüzmen
11:40-12:30	Cytogenetics	Dr. Ahmet İlter Güney
13:40-14:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin, Dr. Umut Altunç, Inst. Yönter Meray
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	08 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	Molecular transmission of genetic information	Dr. Ergül Altundağ
11:40-12:30	Molecular transmission of genetic information	Dr. Ergül Altundağ
13:40-14:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin, Dr. Umut Altunç
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	
Thursday	09 November	
08:40-09:30	ICS-1: Research and Computer Skills	Dr. Mevhibe Hocaoğlu Dr. İlke Akçay
09:40-10:30	ICS-1: Research and Computer Skills	Dr. Mevhibe Hocaoğlu Dr. İlke Akçay
10:40-11:30	Describing the data with graphics	Dr. İlke Akçay
11:40-12:30	Describing the data with numbers	Dr. İlke Akçay
13:40-14:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin, Dr. Berfu Çerçi Öngün, Dr. Umut Altunç, Dr. Halil Eren Sakallı Dr. Hasan Toper
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	
Friday	10 November	
08:40-09:30	10 KASIM ATATÜRK'Ü ANMA TÖRENİ	
09:40-10:30		
10:40-11:30	PBL Module -4	Dr. Mümtaz Güran, Dr. İlke Akçay, Dr. Ergül Mutlu Altundağ, Inst. Duygu Gençalp, Inst. Hüseyin Büyükoğlu, Inst. Yönter Meray
11:40-12:30	PBL Module -4	
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 (13-17 November 2017)		
Monday	13 November	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Civisilli Inst. Ayşe Kozansoy
11:40-12:30	Medical English (Gr 1 & Gr 2)	Inst. Ayfer Civisilli Inst. Ayşe Kozansoy
13:40-14:30	Elective Course – I 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
	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
14:40-15:30	Elective Course – I 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
	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
15:40-16:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
16:40-17:30	Turkish as a Second Language (for foreign students)	Inst. Emine Özerinç Inst. Şerife Çelebi Sökmez
Tuesday	14 November	
08:40-09:30	Regulation of gene expression	Dr. Şükrü Tüzmen
09:40-10:30	Regulation of gene expression	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	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	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	Cellular effects of tobacco use	Dr. Berfu Çerçi Öngün
09:40-10:30	Cellular effects of tobacco use	Dr. Berfu Çerçi Öngün
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	Structure of proteins	Dr. Huriye İcil
16:40-17:30	High energy compounds	Dr. Huriye İcil
Friday	17 November	
08:40-09:30	STUDY TIME	
09:40-10:30	Thermochemistry (chemical energetics)	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 (20-24 November 2017)		
Monday	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		
Tuesday	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		
Wednesday	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		
Thursday	23 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	24 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		