



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

Coordinator of the Course 1.1 Assist. Prof., İlke AKÇAY	
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., İlke AKÇAY	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 Multidisciplinary Students' Lab. Assoc. Prof., Betül KARADEMİR	Coordinator 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	
AIM and LEARNING OBJECTIVES of COURSE	
<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	
<p>Aydın KARAKUZU, Professor, General Surgery Berfu Çerçi ÖNGÜN, Instructor, Anatomy Betül KARADEMİR, Assoc. Professor, Biochemistry Bülent SEZGIN, Instructor, Internal Medicine Cevdet NACAR, Assist. Professor, Biophysics 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</p>	<p>Mustafa AKKIPRIK, Professor, Medical Biology Önder ŞIRIKÇI, Professor, Medical Biochemistry Pemra ÜNALAN, Professor, Family Medicine Pınar Mega TİBER, Assist. Professor, Biophysics Saime BATIREL, Assist. Professor, Medical Biochemistry Şefik GÖRKEY, Professor, History of Medicine and Ethics Serap ŞİRVANCI, Assoc. Professor, Histology and Embryology Şükrü TÜZMEN, Assoc. Professor, Medical Biology Turgay Bülent GÖKTÜRK, Instructor of 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	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
Medical English	14		14
Atatürk's Principles and the History of Turkish Renovation (for Turkish students)	14		14
Turkish as a Second Language (for foreign students)	32		32
Turkish Communication Course (as elective for foreign students)			
Elective Courses (for students who meet Turkish requirement)	16		16
TOTAL	189	41	230

THEORETICAL AND PRACTICAL SESSIONS		LECTURER/TUTOR
1 st 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	Medical Education in Dr Fazıl Küçük Faculty of Medicine	Dr. İlke Akçay
11:40-12:30	Opening Lecture	Dr. Ayşegül Karahasan
	Welcoming Cocktail	
13:40-14:30	Elective Course – I	TBA
	Turkish as a Second Language (for foreign students)	TBA
14:40-15:30	Elective Course – I	TBA
	Turkish as a Second Language (for foreign students)	TBA
15:40-16:30	Turkish as a Second Language (for foreign students)	TBA
16:40-17:30	Turkish as a Second Language (for foreign students)	TBA
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		
09:40-10:30		
10:40-11:30	Medical English	TBA
11:40-12:30	Medical English	TBA
13:40-14:30	Elective Course – I	TBA
	Turkish as a Second Language (for foreign students)	TBA
14:40-15:30	Elective Course – I	TBA
	Turkish as a Second Language (for foreign students)	TBA
15:40-16:30	Turkish as a Second Language (for foreign students)	TBA
16:40-17:30	Turkish as a Second Language (for foreign students)	TBA
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	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	Introduction to ICS	Dr. Pemra Ünalın, Dr. Bülent Sezgin, Dr. Berfu Çerçi Öngün, Dr. Aydın Karakuzu, Dr. Sercan Gökçeli
14:40-15:30	PBL Orientation	
15:40-16:30	PBL Orientation	
16:40-17:30	PBL Orientation	
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		
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		
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 (09-13 October 2017)		
Monday	09 October	
08:40-09:30		
09:40-10:30		
10:40-11:30	Medical English	TBA
11:40-12:30	Medical English	TBA
13:40-14:30	Elective Course – I	TBA
	Turkish as a Second Language (for foreign students)	TBA
14:40-15:30	Elective Course – I	TBA
	Turkish as a Second Language (for foreign students)	TBA
15:40-16:30	Turkish as a Second Language (for foreign students)	TBA
16:40-17:30	Turkish as a Second Language (for foreign students)	TBA
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		
14:40-15:30		
15:40-16:30		
16:40-17:30		
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 Batirel
13:40-14:30	Protein structure and function-1	Dr. Saime Batirel
14:40-15:30	Protein structure and function-2	Dr. Saime Batirel
15:40-16:30	Protein structure and function-2	Dr. Saime Batirel
16:40-17:30		
Thursday	12 October	
08:40-09:30	Biochemistry LAB: Spectrophotometer - Group A	Dr. Saime Batirel
09:40-10:30	Biochemistry LAB: Spectrophotometer - Group A	Dr. Saime Batirel
10:40-11:30	Biochemistry LAB: Spectrophotometer - Group B	Dr. Saime Batirel
11:40-12:30	Biochemistry LAB: Spectrophotometer - Group B	Dr. Saime Batirel
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		
Friday	13 October	
08:40-09:30		
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		
4th Week (16-20 October 2017)		
Monday	16 October	

08:40-09:30		
09:40-10:30		
10:40-11:30	Medical English	TBA
11:40-12:30	Medical English	TBA
13:40-14:30	Elective Course – I	TBA
	Turkish as a Second Language (for foreign students)	TBA
14:40-15:30	Elective Course – I	TBA
	Turkish as a Second Language (for foreign students)	TBA
15:40-16:30	Turkish as a Second Language (for foreign students)	TBA
16:40-17:30	Turkish as a Second Language (for foreign students)	TBA
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		
15:40-16:30		
16:40-17:30		
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		
13:40-14:30	ICS-1: Introduction to ICS-research	Dr. Mevhibe Hocaoğlu, Dr. İlke Akçay
14:40-15:30	ICS-1: Scientific approach, literature review, scientific materials	Dr. Mevhibe Hocaoğlu, Dr. İlke Akçay
15:40-16:30	ICS-1: Global look to different research designs	Dr. Mevhibe Hocaoğlu, Dr. İlke Akçay
16:40-17:30		
Thursday	19 October	
08:40-09:30		
09:40-10:30		
10:40-11:30		
11:40-12:30		
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	
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		
09:40-10:30		
10:40-11:30	Medical English	TBA
11:40-12:30	Medical English	TBA
13:40-14:30	Elective Course – I	TBA
	Turkish as a Second Language (for foreign students)	TBA
14:40-15:30	Elective Course – I	TBA
	Turkish as a Second Language (for foreign students)	TBA
15:40-16:30	Turkish as a Second Language (for foreign students)	TBA
16:40-17:30	Turkish as a Second Language (for foreign students)	TBA
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	Molecular transmission of genetic information	Dr. Ergül Altundağ
15:40-16:30	Molecular transmission of genetic information	Dr. Ergül Altundağ
16:40-17:30	Thermochemistry (chemical energetics)	Dr. Huriye İcil
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 Batirel
11:40-12:30	Posttranscriptional and posttranslational modifications	Dr. Saime Batirel
13:40-14:30	Mechanism of signal transduction	Dr. Saime Batirel
14:40-15:30	Mechanism of signal transduction	Dr. Saime Batirel

15:40-16:30	Thermochemistry (chemical energetics)	Dr. Huriye İcil
16:40-17:30	Solubility and complex ion equilibrium	Dr. Huriye İcil
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	Designing research	Dr. İlke Akçay
14:40-15:30	Types of data	Dr. İlke Akçay
15:40-16:30		
16:40-17:30		
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	
14:40-15:30	PBL Module -2	
15:40-16:30		
16:40-17:30		
6th Week (30 October - 03 November 2017)		
Monday	30 October	
08:40-09:30		
09:40-10:30		
10:40-11:30	Medical English	TBA
11:40-12:30	Medical English	TBA
13:40-14:30	Elective Course – I	TBA
	Turkish as a Second Language (for foreign students)	TBA
14:40-15:30	Elective Course – I	TBA
	Turkish as a Second Language (for foreign students)	TBA
15:40-16:30	Turkish as a Second Language (for foreign students)	TBA
16:40-17:30	Turkish as a Second Language (for foreign students)	TBA
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. Goncağül Haklar
14:40-15:30	Structure of lipids	Dr. Goncağül Haklar
15:40-16:30		
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	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. Aydın Karakuzu, Dr. Sercan Gökçeli
14:40-15:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin, Dr. Berfu Çerçi Öngün, Dr. Aydın Karakuzu, Dr. Sercan Gökçeli
15:40-16:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin, Dr. Berfu Çerçi Öngün, Dr. Aydın Karakuzu, Dr. Sercan Gökçeli
16:40-17:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin, Dr. Berfu Çerçi Öngün, Dr. Aydın Karakuzu, Dr. Sercan Gökçeli
Thursday	02 November	
08:40-09:30		
09:40-10:30		
10:40-11:30	PBL Module -3	
11:40-12:30	PBL Module -3	
13:40-14:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin, Dr. Berfu Çerçi Öngün, Dr. Aydın Karakuzu, Dr. Sercan Gökçeli
14:40-15:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin, Dr. Berfu Çerçi Öngün, Dr. Aydın Karakuzu, Dr. Sercan Gökçeli
15:40-16:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin, Dr. Berfu Çerçi Öngün, Dr. Aydın Karakuzu, Dr. Sercan Gökçeli
16:40-17:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin, Dr. Berfu Çerçi Öngün, Dr. Aydın Karakuzu, Dr. Sercan Gökçeli
Friday	03 November	
08:40-09:30	Biochemistry LAB: Urease - Group A	Dr. Betül Karademir
09:40-10:30	Biochemistry LAB: Urease - Group A	Dr. Betül Karademir
10:40-11:30	Biochemistry LAB: Urease - Group A	Dr. Betül Karademir
11:40-12:30	Biochemistry LAB: Urease - Group A	Dr. Betül Karademir
13:40-14:30	Biochemistry LAB: Urease - Group B	Dr. Betül Karademir
14:40-15:30	Biochemistry LAB: Urease - Group B	Dr. Betül Karademir
15:40-16:30	Biochemistry LAB: Urease - Group B	Dr. Betül Karademir
16:40-17:30	Biochemistry LAB: Urease - Group B	Dr. Betül Karademir
7th Week (06-10 November 2017)		
Monday	06 November	
08:40-09:30		
09:40-10:30		
10:40-11:30	Medical English	TBA
11:40-12:30	Medical English	TBA

13:40-14:30	Elective Course – I	TBA
	Turkish as a Second Language (for foreign students)	TBA
14:40-15:30	Elective Course – I	TBA
	Turkish as a Second Language (for foreign students)	TBA
15:40-16:30	Turkish as a Second Language (for foreign students)	TBA
16:40-17:30	Turkish as a Second Language (for foreign students)	TBA
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. Berfu Çerçi Öngün, Dr. Aydın Karakuzu, Dr. Sercan Gökçeli
14:40-15:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin, Dr. Berfu Çerçi Öngün, Dr. Aydın Karakuzu, Dr. Sercan Gökçeli
15:40-16:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin, Dr. Berfu Çerçi Öngün, Dr. Aydın Karakuzu, Dr. Sercan Gökçeli
16:40-17:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin, Dr. Berfu Çerçi Öngün, Dr. Aydın Karakuzu, Dr. Sercan Gökçeli
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		
11:40-12:30		
13:40-14:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin, Dr. Berfu Çerçi Öngün, Dr. Aydın Karakuzu, Dr. Sercan Gökçeli
14:40-15:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin, Dr. Berfu Çerçi Öngün, Dr. Aydın Karakuzu, Dr. Sercan Gökçeli
15:40-16:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin, Dr. Berfu Çerçi Öngün, Dr. Aydın Karakuzu, Dr. Sercan Gökçeli
16:40-17:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin, Dr. Berfu Çerçi Öngün, Dr. Aydın Karakuzu, Dr. Sercan Gökçeli
Thursday	09 November	
08:40-09:30		
09:40-10:30		
10:40-11:30		
11:40-12:30		

13:40-14:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin, Dr. Berfu Çerçi Öngün, Dr. Aydın Karakuzu, Dr. Sercan Gökçeli
14:40-15:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin, Dr. Berfu Çerçi Öngün, Dr. Aydın Karakuzu, Dr. Sercan Gökçeli
15:40-16:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin, Dr. Berfu Çerçi Öngün, Dr. Aydın Karakuzu, Dr. Sercan Gökçeli
16:40-17:30	ICS-1: First-Aid Course	Dr. Bülent Sezgin, Dr. Berfu Çerçi Öngün, Dr. Aydın Karakuzu, Dr. Sercan Gökçeli
Friday	10 November	
08:40-09:30	10 KASIM ATATÜRK'Ü ANMA TÖRENİ	
09:40-10:30		
10:40-11:30	PBL Module -4	
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		
09:40-10:30		
10:40-11:30	Medical English	TBA
11:40-12:30	Medical English	TBA
13:40-14:30	Elective Course – I	TBA
	Turkish as a Second Language (for foreign students)	TBA
14:40-15:30	Elective Course – I	TBA
	Turkish as a Second Language (for foreign students)	TBA
15:40-16:30	Turkish as a Second Language (for foreign students)	TBA
16:40-17:30	Turkish as a Second Language (for foreign students)	TBA
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		
09:40-10:30		
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	
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		