



INTRODUCTION TO CELL AND CELLULAR REPLICATION
YEAR 1 COURSE 1
September 26th, 2016 – November 25th, 2016

Coordinator of the Course 1.1 Assist. Prof., İlke Çetin 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 Çetin Akçay	Coordinator of ICS Res. LAB. Assist. Prof. Dr. Mevhibe HOCAOĞLU
Year 1 Coordinators Assoc. Prof., Serap ŞİRVANCI & Assoc. Prof., Mustafa AKKİPRİK	
Module Coordinator Assoc. Prof., Özlem SARIKAYA	Introduction to Clinician Skills (ICS) Coordinators Prof., Sibel KALAÇA, 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	Acting Dean (MU) Prof., Ömer GÜNAL
---	---

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	PROGRAM EVALUATION
Module examination: Written exam at the end of module (10 % of final score) Practical examination: Practical exams at the end of	Evaluation at the end of the course, is done both orally and by using structured evaluation forms

course	
Course examination: Written exam at the end of course	
DEPARTMENTS PARTICIPATING IN COURSE-1 & MODULE-1	
<ul style="list-style-type: none"> • Biochemistry • Biophysics • Biostatistics • Child and Adolescent Psychiatry • Histology & Embryology • Pharmacology and Clinical Pharmacology 	<ul style="list-style-type: none"> • Medical Biology • Medical Genetics • Medical History and Ethics • Obstetrics and Gynecology • Pediatrics • Public Health
LECTURERS / TUTORS	
<p>Ayfer Şen, Instructor of School of Foreign Languages and Preparatory School.</p> <p>Ayşe Kozansoy, Instructor of School of Foreign Languages and Preparatory School.</p> <p>Berfu Çerçi ÖNGÜN, Instructor of Anatomy</p> <p>Betül KARADEMİR, Assoc. Professor of Biochemistry</p> <p>Cevdet Nacar, Assist. Professor of Biophysics</p> <p>Emine ÖZERİNÇ, Instructor of School of Foreign Languages and Preparatory School.</p> <p>Feriha Ercan, Professor of Histology and Embryology.</p> <p>Goncagül Haklar, Professor of Medical Biochemistry</p> <p>Huriye İcil, Professor of Chemistry</p> <p>İlke Çetin Akçay, Assist. Professor of Biostatistics</p> <p>İlter Güney Assist. Professor of Medical Genetics</p> <p>Mehmet Akman, Assoc. Professor of Family Medicine</p>	<p>Mevhibe Hocaoğlu, Assist. Prof. of Public Health</p> <p>Mümtaz GÜRAN, Assist. Professor of Microbiology</p> <p>Mustafa Akkiprik, Professor of Medical Biology</p> <p>Naife Sevdalı, Instructor of Psychology</p> <p>Önder Şirikçi, Prof. of Medical Biochemistry</p> <p>Özlem Sarıkaya, Assoc. Prof. of Medical Education</p> <p>Pınar Mega TİBER, Assist. Professor of Biophysics</p> <p>Saime Batırel, Assist. Prof. of Medical Biochemistry</p> <p>Şefik Görkey, Professor of History of medicine and Ethics</p> <p>Serap ŞİRVANCI, Assoc. Professor of Histology and Embryology.</p> <p>Şükrü Tüzmen, Assoc. Professor of Medical Biology</p> <p>Turgay Bülent Instructor Atatürk's Principles</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, 3rd 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 2.5			
Discipline	Lecture & Group Discussion	Multidisciplinary Lab. & Clinical Skills Lab. Practice	Total
Biochemistry	27	12	39
Biophysics	5		5
Biostatistics	6	4	10
Chemistry	20		20
Histology and Embryology	7	8	15
Medical Biology	31		31

Medical Genetics	1		1
Medical History and Ethics	12		12
Pediatrics			
Subtotal	109	24	133
PBL Module	8		8
TOTAL	117	24	141
ICP-1: First Aid & Communication Skills Courses			
ICP-1: Computer Skills (Students' Research Activity)	4	4	8
Medical English	28		28
Communication in Turkish-I / Atatürk's Principles and History of Modern Turkey	16		16
TOTAL	165	28	193

THEORETICAL AND PRACTICAL SESSIONS		LECTURER/TUTOR
1 st Week (26-30 September 2016)		
Monday	26 September	
08:40-09:30		
09:40-10:30	Opening Ceremony	Dr. Nahide Gökçora Buse Ataoğlu
10:40-11:30	Medical Education in Dr Fazıl Küçük Faculty of Medicine	Dr. Mümtaz Güran
11:40-12:30	Opening Lecture	Dr. Mehmet Akman
	Welcoming Cocktail	
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Tuesday	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	Cellular organization of life	Dr. Şükrü Tüzmen
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Wednesday	28 September	
08:40-09:30	TURKISH LANGUAGE PLACEMENT TEST	
09:40-10:30	TURKISH LANGUAGE PLACEMENT TEST	
10:40-11:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent
11:40-12:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent

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		
Thursday	29 September	
08:40-09:30		
09:40-10:30		
10:40-11:30		
11:40-12:30	Biomolecules and water	Dr. Önder Şirikçi
13:40-14:30	Biomolecules and water	Dr. Önder Şirikçi
14:40-15:30	Solubility, pH and buffers	Dr. Önder Şirikçi
15:40-16:30	Solubility, pH and buffers	Dr. Önder Şirikçi
16:40-17:30		
Friday	30 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		
2nd Week (03-07 October 2016)		
Monday	03 October	
08:40-09:30	Microscope	Dr. Serap Şirvancı
09:40-10:30	Microscope	Dr. Serap Şirvancı
10:40-11:30	Cellular organel and inclusions at LM and EM level	Dr. Serap Şirvancı
11:40-12:30	Cellular organel and inclusions at LM and EM level	Dr. Serap Şirvancı
13:40-14:30	Histology LAB: Cell types - Group A	Dr. Serap Şirvancı
14:40-15:30	Histology LAB: Cell types - Group A	Dr. Serap Şirvancı
15:40-16:30	Histology LAB: Cell types - Group B	Dr. Serap Şirvancı
16:40-17:30	Histology LAB: Cell types - Group B	Dr. Serap Şirvancı
Tuesday	04 October	
08:40-09:30	Nucleus and cell division	Dr. Serap Şirvancı
09:40-10:30	Nucleus and cell division	Dr. Serap Şirvancı
10:40-11:30	Histology LAB: Cell types - Group A	Dr. Serap Şirvancı

11:40-12:30	Histology LAB: Cell types - Group A	Dr. Serap Şirvancı
13:40-14:30	Histology LAB: Cell types - Group B	Dr. Serap Şirvancı
14:40-15:30	Histology LAB: Cell types - Group B	Dr. Serap Şirvancı
15:40-16:30	Elective course	
16:40-17:30	Elective course	
Wednesday	05 October	
08:40-09:30	Cellular organization of life	Dr. Şükrü Tüzmen
09:40-10:30	Nucleic acids	Dr. Şükrü Tüzmen
10:40-11:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent
11:40-12:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent
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	Cytogenetics	Dr. İlder Güney
16:40-17:30		
Thursday	06 October	
08:40-09:30		
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Introduction to biophysics – I	Dr. Pınar Mega Tiber
14:40-15:30	Introduction to biophysics – I	Dr. Pınar Mega Tiber
15:40-16:30	Introduction to biophysics – II	Dr. Pınar Mega Tiber
16:40-17:30	Introduction to biophysics – II	Dr. Pınar Mega Tiber
Friday	07 October	
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	ICS-1 General Introduction to ICS	Dr Mehmet Akman, Dr. İlke Çetin Akçay
3rd Week (10-14 October 2016)		
Monday	10 October	

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	PBL Orientation	
16:40-17:30	PBL Orientation	
Tuesday	11 October	
08:40-09:30	Genes and heredity	Dr. Şükrü Tüzmen
09:40-10:30	Cell cycle	Dr. Şükrü Tüzmen
10:40-11:30	Amino acids	Dr. Önder Şirikçi
11:40-12:30	Amino acids	Dr. Önder Şirikçi
13:40-14:30	Structure of carbohydrates	Dr. Önder Şirikçi
14:40-15:30	Structure of carbohydrates	Dr. Önder Şirikçi
15:40-16:30	Elective course	
16:40-17:30	Elective course	
Wednesday	12 October	
08:40-09:30	Recombination	Dr. Şükrü Tüzmen
09:40-10:30	Packaging chromosomal DNA	Dr. Şükrü Tüzmen
10:40-11:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent
11:40-12:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent
13:40-14:30	Chemical reactions and equilibrium	Dr. Huriye İcil
14:40-15:30	Acids and bases	Dr. Huriye İcil
15:40-16:30	PBL Module -1	
16:40-17:30	PBL Module -1	
Thursday	13 October	
08:40-09:30		
09:40-10:30		
10:40-11:30	Protein structure and function-1	Dr. Saime Batirel
11:40-12:30	Protein structure and function-1	Dr. Saime Batirel
13:40-14:30	Protein structure and function-2	Dr. Saime Batirel
14:40-15:30	Protein structure and function-2	Dr. Saime Batirel
15:40-16:30		
16:40-17:30		

Friday	14 October	
08:40-09:30		
09:40-10:30		
10:40-11:30	What is statistics and biostatistics?	Dr. İlke Çetin Akçay
11:40-12:30	Statistics in medical research	Dr. İlke Çetin Akçay
13:40-14:30	PBL Module -2	
14:40-15:30	PBL Module -2	
15:40-16:30		
16:40-17:30		
4th Week (17-21 October 2016)		
Monday	17 October	
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		
Tuesday	18 October	
08:40-09:30	Cell division kinetics	Dr. Şükrü Tüzmen
09:40-10:30	Mitosis	Dr. Şükrü Tüzmen
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	Biochemistry LAB: Spectrophotometer - Group B	Dr. Saime Batirel
14:40-15:30	Biochemistry LAB: Spectrophotometer - Group B	Dr. Saime Batirel
15:40-16:30		
16:40-17:30		
Wednesday	19 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	Dr. Turgay Bülent
11:40-12:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent
13:40-14:30	Acids and bases	Dr. Huriye İcil
14:40-15:30	Chemical kinetics and reaction mechanisms	Dr. Huriye İcil
15:40-16:30	PBL Module -3	

16:40-17:30	PBL Module -3	
Thursday	20 October	
08:40-09:30		
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Designing research	Dr. İlke Çetin Akçay
14:40-15:30	Types of data	Dr. İlke Çetin Akçay
15:40-16:30		
16:40-17:30		
Friday	21 October	
08:40-09:30		
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	PBL Module -4	
14:40-15:30	PBL Module -4	
15:40-16:30		
16:40-17:30		

5th Week (24-28 October 2016)

Monday	24 October	
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		
Tuesday	25 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	Describing the data with graphics	Dr. İlke Çetin Akçay
11:40-12:30	Describing the data with numbers	Dr. İlke Çetin Akçay
13:40-14:30	Elective course	
14:40-15:30	Elective course	
15:40-16:30	Elective course	
16:40-17:30	Elective course	
Wednesday	26 October	
08:40-09:30	RNA synthesis and processing	Dr. Şükrü Tüzmen
09:40-10:30	Multifactorial inheritance	Dr. Şükrü Tüzmen
10:40-11:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent
11:40-12:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent

13:40-14:30	Chemical kinetics and reaction mechanisms	Dr. Huriye İcil
14:40-15:30	Thermochemistry (chemical energetics)	Dr. Huriye İcil
15:40-16:30	Thermochemistry (chemical energetics)	Dr. Huriye İcil
16:40-17:30		
Thursday	27 October	
08:40-09:30		
09:40-10:30		
10:40-11:30	Enzymes: Introduction	Dr. Betül Karademir
11:40-12:30	Enzymes: Introduction	Dr. Betül Karademir
13:40-14:30	Enzymes: Mechanism of action	Dr. Betül Karademir
14:40-15:30	Enzymes: Mechanism of action	Dr. Betül Karademir
15:40-16:30	Enzymes: Regulation	Dr. Betül Karademir
16:40-17:30	Enzymes: Regulation	Dr. Betül Karademir
Friday	28 October	
08:40-09:30	HOLIDAY	
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		
6th Week (31 October - 04 November 2016)		
Monday	31 October	
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		
Tuesday	01 November	
08:40-09:30	Mutations and polymorphisms	Dr. Şükrü Tüzmen
09:40-10:30	DNA Repair	Dr. Şükrü Tüzmen
10:40-11:30	Population genetics	Dr. Şükrü Tüzmen
11:40-12:30		
13:40-14:30	Elective course	
14:40-15:30	Elective course	
15:40-16:30	Elective course	
16:40-17:30	Elective course	
Wednesday	02 November	
08:40-09:30	Protein synthesis	Dr. Şükrü Tüzmen
09:40-10:30	Protein synthesis	Dr. Şükrü Tüzmen
10:40-11:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent
11:40-12:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent

13:40-14:30	Solubility and complex ion equilibrium	Dr. Huriye İcil
14:40-15:30	Solubility and complex ion equilibrium	Dr. Huriye İcil
15:40-16:30	Electrochemistry: oxidation and reduction	Dr. Huriye İcil
16:40-17:30		
Thursday	03 November	
08:40-09:30		
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	ICS-1 Introduction to ICS-research	Dr. Özlem Sarıkaya, Dr. İlke Çetin Akçay
14:40-15:30	ICS-1 Scientific approach, literature review, scientific materials	Dr. Özlem Sarıkaya, Dr. İlke Çetin Akçay
15:40-16:30	ICS-1 Global look to different research designs	Dr. Özlem Sarıkaya, Dr. İlke Çetin Akçay
16:40-17:30		
Friday	04 November	
08:40-09:30		
09:40-10:30	Structure of nucleic acids	Dr. Saime Batırel
10:40-11:30	Molecular transmission of genetic information	Dr. Saime Batırel
11:40-12:30	Molecular transmission of genetic information	Dr. Saime Batırel
13:40-14:30	Posttranscriptional and posttranslational modifications	Dr. Saime Batırel
14:40-15:30	Posttranscriptional and posttranslational modifications	Dr. Saime Batırel
15:40-16:30	Mechanism of signal transduction	Dr. Saime Batırel
16:40-17:30	Mechanism of signal transduction	Dr. Saime Batırel
7th Week (07-11 November 2016)		
Monday	07 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		
Tuesday	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	Structure of lipids	Dr. Goncağül Haklar
11:40-12:30	Structure of lipids	Dr. Goncağül Haklar
13:40-14:30	Elective course	
14:40-15:30	Elective course	
15:40-16:30	Elective course	
16:40-17:30	Elective course	
Wednesday	09 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	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent
11:40-12:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent
13:40-14:30	Electrochemistry: oxidation and reduction	Dr. Huriye İcil
14:40-15:30	Structure of proteins	Dr. Huriye İcil
15:40-16:30	High energy compounds	Dr. Huriye İcil
16:40-17:30		
Thursday	10 November	
08:40-09:30		
09:40-10:30	Histotechniques	Dr. Feriha Ercan
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
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	Information content of DNA	Dr. Cevdet Nacar
16:40-17:30		
Friday	11 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
8th Week (14-18 November 2016)		
Monday	14 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		
Tuesday	15 November	
08:40-09:30	HOLIDAY	
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	16 November	
08:40-09:30	Viruses, plasmids, transposable genetic elements	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	Dr. Turgay Bülent
11:40-12:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent
13:40-14:30	Structure of lipids	Dr. Huriye İcil
14:40-15:30	Structure of carbohydrates	Dr. Huriye İcil
15:40-16:30		
16:40-17:30		
Thursday	17 November	
08:40-09:30	Regulation of gene expression	Dr. Şükrü Tüzmen
09:40-10:30	Turning points in History of Medicine	Dr. Şefik Görkey
10:40-11:30	Turning points in History of Medicine	Dr. Şefik Görkey
11:40-12:30	History of Anatomy	Dr. Şefik Görkey
13:40-14:30	History of Anatomy	Dr. Şefik Görkey
14:40-15:30	History of Physiology	Dr. Şefik Görkey
15:40-16:30	Evolution of the concept of infection	Dr. Şefik Görkey
16:40-17:30		
Friday	18 November	
08:40-09:30		
09:40-10:30	History of surgery	Dr. Şefik Görkey
10:40-11:30	History of human experimentation	Dr. Şefik Görkey
11:40-12:30	History of human experimentation	Dr. Şefik Görkey
13:40-14:30	History of medical professionalism	Dr. Şefik Görkey
14:40-15:30	History of Medicine in Seljukid and Ottoman Ages	Dr. Şefik Görkey
15:40-16:30	History of Medicine in Turkish Republic	Dr. Şefik Görkey
16:40-17:30		
9th Week (21-25 November 2016)		
Monday	21 November	
08:40-09:30		
09:40-10:30	PRACTICAL EXAM	
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	22 November	
08:40-09:30		
09:40-10:30	PRACTICAL EXAM	
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	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		
Thursday	24 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	25 November	
08:40-09:30		
09:40-10:30	Y1C1 THEORETICAL EXAM	
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		