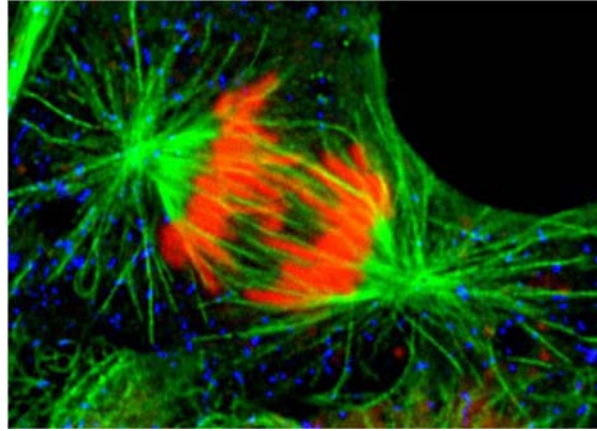




**MARMARA UNIVERSITY – EASTERN MEDITERRANEAN
UNIVERSITY INTERNATIONAL MEDICAL SCHOOL**



**INTRODUCTION TO CELL AND CELLULAR REPLICATION
YEAR 1 COURSE 1
September 30th, 2019 – November 28th, 2019**

Year 1 Coordinators

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

Module Coordinator Prof., Özlem SARIKAYA & Inst. Dr. Duygu GENÇALP	Introduction to Clinician Skills (ICS) Coordinators Prof., Pemra ÜNALAN & Assist. Prof. Dr. Bülent SEZGİN
Coordinator of Clinical Skill Lab. Prof., Pemra ÜNALAN & Assist. Prof. Dr. Bülent SEZGİN	Coordinator of ICS Res. Lab. Prof., Sibel SAKARYA & Assist. Prof., Özge CUMAĞULLARI EKER
Coordinator of Multidisciplinary Students' Lab. Assoc. Prof., Betül KARADEMİR & Assist. Prof., Mümtaz GÜRAN	Coordinator of Assessment Unite Assist. Prof., Cevdet NACAR & Assist. Prof., Can Erzik & Assist. Prof., H. Eren SAKALLI
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) Assoc. Prof., Emre HAMURTEKİN	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>Ayşe KOZANSOY, Instructor, Medical English Berfu Çerçi ÖNGÜN, Dr. Instructor, Anatomy Betül KARADEMİR, Assoc. Professor, Biochemistry Bülent SEZGİN, Assist. Professor, Internal Medicine Cevdet NACAR, Assist. Professor, Biophysics Duygu GENÇALP, Dr. Instructor, Biochemistry Elif Dağlı, Prof., Child Health and Disease 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 Özerinç, ,Instructor, Turkish Language</p>	<p>Mümtaz GÜRAN, Assist. Professor, Microbiology Mustafa AKKİPRİK, Professor, Medical Biology Nazan DOĞRUEK, Assist. Professor, Medical English Nevin YILMAZ, Prof, Gastroenterology Nilüfer GÜZOĞLU, Assoc. Professor, Pediatrics Önder ŞİRİKÇİ, Professor, Medical Biochemistry Pemra ÜNALAN, Professor, Family Medicine Pınar Mega TİBER, Assoc. Professor, Biophysics Saime BATİREL, Assoc. Professor, Medical Biochemistry Serap ŞİRVANCI, Assoc. Professor, Histology and Embryology Şefik GÖRKEY, Professor, History of Medicine and Ethics Şükrü TÜZMEN, 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
ICS-1: First Aid Course (FA) Practical		10	10
ICS-1: First Aid Course (FA) Theoretical		10	10
ICS-1: Students' Research Activity (SRA)		5	5
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 (Foreign Students)	12		12
Elective Courses MDCN181, MDCN182	12		12
TOTAL	162	45	207

THEORETICAL AND PRACTICAL SESSIONS		LECTURER/TUTOR
1st Week (30 September-4 October 2019)		
Monday	30 September	
08:30-08:45	A Moment of Silence and the National Anthem	
08:45-09:00	Opening Speech	Prof. Dr. Necdet Osam, Rector
09:00-09:15	EMU and Faculty of Medicine Promotional Films	
09:15-09:30	Music Concert	
09:30-10:00	Speechs	DAÜ Dr. Fazıl Küçük Faculty of Medicine Student Representative (Özde Buda) Doç. Dr. Emre Hamurtekin, Dean
10:00-10:30	White Coat Ceremony	
10:30-11:15	The First Lecture (Molecular Diagnostics in Rare Diseases'' Beta Thalassemia'')	Prof. Dr. Şükrü Tüzmen
11:15-12:00	Cocktail	
12:00-12:30	Faculy Introduction Tour	
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	1 October	
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	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Wednesday	2 October	
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	Introduction to ICS	Dr. Pemra Ünalın
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	3 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	4 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 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
2nd Week (07-11 October 2019)		
Monday	07 October	
08:40-09:30		
09:40-10:30	Turkish Placement Test	Inst. Mine Özerinç
10:40-11:30		
11:40-12:30		
13:40-14:30	Medical English (Gr 1 & Gr 2)	Dr. Nazan Doğruer Inst. Ayşe Kozansoy
14:40-15:30		
15:40-16:30	Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-187-Aerial Fitness and High Intensity Interval Training)	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Yasemin Kurtoğlu
16:40-17:30		
Tuesday	08 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	Introduction to organic chemistry	Dr. Huriye İcil
14:40-15:30	Chemical compounds	Dr. Huriye İcil

15:40-16:30	Student Club Orientation	
16:40-17:30		
Wednesday	09 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	TFMS101 – Turkish for Medical Students-I (Foreign Students)	Inst. Mine Özerinç
13:40-14:30	TFMS101 – Turkish for Medical Students-I (Foreign Students)	Inst. Mine Özerinç
14:40-15:30	TFMS101 – Turkish for Medical Students-I (Foreign Students)	Inst. Mine Özerinç
15:40-16:30	TFMS101 – Turkish for Medical Students-I (Foreign Students)	Inst. Mine Özerinç
16:40-17:30	STUDY TIME	
Thursday	10 October	
08:40-09:30	Biochemistry LAB: Spectrophotometer - Group A	Dr. Ergül Altundağ Inst. Dr. Duygu Gençalp
09:40-10:30	Biochemistry LAB: Spectrophotometer - Group A	Dr. Ergül Altundağ Inst. Dr. Duygu Gençalp
10:40-11:30	Biochemistry LAB: Spectrophotometer - Group A	Dr. Ergül Altundağ Inst. Dr. Duygu Gençalp
11:40-12:30	Biochemistry LAB: Spectrophotometer - Group A	Dr. Ergül Altundağ Inst. Dr. Duygu Gençalp
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
Friday	11 October	
08:40-09:30	Multifactorial inheritance	Dr. Şükrü Tüzmen
09:40-10:30	Mutations and polymorphisms	Dr. Şükrü Tüzmen
10:40-11:30	Atoms and atomic theory, atomic properties and periodic table	Dr. Huriye İcil
11:40-12:30	Chemical bonds: ionic and covalent	Dr. Huriye İcil
13:40-14:30	Biochemistry LAB: Spectrophotometer - Group B	Dr. Ergül Altundağ Inst. Dr. Duygu Gençalp
14:40-15:30	Biochemistry LAB: Spectrophotometer - Group B	Dr. Ergül Altundağ Inst. Dr. Duygu Gençalp
15:40-16:30	Biochemistry LAB: Spectrophotometer - Group B	Dr. Ergül Altundağ

		Inst. Dr. Duygu Gençalp
16:40-17:30	Biochemistry LAB: Spectrophotometer - Group B	Dr. Ergül Altundağ Inst. Dr. Duygu Gençalp
3rd Week (14-18 October 2019)		
Monday	14 October	
08:40-09:30	TFMS101 – Turkish for Medical Students-I (Foreign Students)	Inst. Mine Özerinç
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Medical English (Gr 1 & Gr 2)	Dr. Nazan Doğruer Inst. Ayşe Kozansoy
14:40-15:30		
15:40-16:30	Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-187-Aerial Fitness and High Intensity Interval Training)	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Yasemin Kurtoğlu
16:40-17:30		
Tuesday	15 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	Protein structure and function-1	Dr. Betül Karademir
14:40-15:30	Protein structure and function-1	Dr. Betül Karademir
15:40-16:30	Protein structure and function-2	Dr. Betül Karademir
16:40-17:30	Protein structure and function-2	Dr. Betül Karademir
Wednesday	16 October	
08:40-09:30	Cell cycle	Dr. Şükrü Tüzmen
09:40-10:30	Packaging chromosomal DNA	Dr. Şükrü Tüzmen
10:40-11:30	Enzymes: Regulation	Dr. Betül Karademir
11:40-12:30	Enzymes: Regulation	Dr. Betül Karademir

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	Enzymes: Mechanism of action	Dr. Betül Karademir
Thursday	17 October	
08:40-09:30	Y2C1 THEORETICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	TFMS101 – Turkish for Medical Students-I (Foreign Students)- Interactive Session	Inst. Mine Özerinç
14:40-15:30		
15:40-16:30		
16:40-17:30		
Friday	18 October	
08:40-09:30	Y3C1 THEORETICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Structure of nucleic acids	Dr. Ergül Mutlu Altundağ
14:40-15:30	ICS-1 Introduction to ICS-research	Dr. İlke Çetin Akçay Dr. Özge Cumaoğulları Eker
15:40-16:30	ICS-1 Philosophy of Research &Scientific approach	
16:40-17:30	ICS-1 Global look to different research designs	
4th Week (21-25 October 2019)		
Monday	21 October	
08:40-09:30	TFMS101 – Turkish for Medical Students-I (Foreign Students)	Inst. Mine Özerinç
09:40-10:30		
10:40-11:30		
11:40-12:30		

13:40-14:30	Medical English (Gr 1 & Gr 2)	Dr. Nazan Doğruer Inst. Ayşe Kozansoy
14:40-15:30		
15:40-16:30	Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-187-Aerial Fitness and High Intensity Interval Training)	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Yasemin Kurtoğlu
16:40-17:30		
Tuesday	22 October	
08:40-09:30	Recombination	Dr. Şükrü Tüzmen
09:40-10:30	Cell division kinetics	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	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
Wednesday	23 October	
08:40-09:30	Mitosis	Dr. Şükrü Tüzmen
09:40-10:30	Meiosis	Dr. Şükrü Tüzmen
10:40-11:30	Introduction to genetics	Dr. Şükrü Tüzmen
11:40-12:30	STUDY TIME	
13:40-14:30	Structure of lipids	Dr. Goncagül Haklar
14:40-15:30	Structure of lipids	Dr. Goncagül Haklar
15:40-16:30	ICS:1 Research: Literature Review	Dr. İlke Çetin Akçay Dr. Özge Cumaoğulları Eker
16:40-17:30	ICS:1 Research: Literature Review	
Thursday	24 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	What is statistics and biostatistics?	Dr. İlke Çetin Akçay
14:40-15:30	Statistics in medical research	Dr. İlke Çetin Akçay
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Friday	25 October	
08:40-09:30	STUDY TIME	
09:40-10:30	PBL orientation	Dr. Duygu Gençalp
10:40-11:30	PBL MODULE-1	Dr. Duygu Gençalp
11:40-12:30		Dr. Maryam Norouzbahari Dr. İlke Akçay Inst. Gizem Şanlıtürk
13:40-14:30	Chemical reactions and equilibrium	Dr. Huriye İcil
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
5th Week (28 October – 01 November 2019)		
Monday	28 October	
08:40-09:30	TFMS101 – Turkish for Medical Students-I (Foreign Students)	Inst. Mine Özerinç
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Medical English (Gr 1 & Gr 2)	Dr. Nazan Doğruer Inst. Ayşe Kozansoy
14:40-15:30		
15:40-16:30	Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-187-Aerial Fitness and High Intensity Interval Training)	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Yasemin Kurtoglu
16:40-17:30		
Tuesday	29 October	
08:40-09:30		

09:40-10:30	THE REPUBLIC DAY OF TURKEY	
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	30 October	
08:40-09:30	RNA Synthesis and Processing	Dr. Şükrü Tüzmen
09:40-10:30	Regulation of Gene Expression	Dr. Şükrü Tüzmen
10:40-11:30	Regulation of Gene Expression	Dr. Şükrü Tüzmen
11:40-12:30	Information content of DNA	Dr. Cevdet Nacar
13:40-14:30	ICS-1: First-Aid Course/Medical asepsis and precautions to take in health care facilities-Theoretical	Dr. Bülent Sezgin Dr. Eren Sakallı Dr. Didem Rıfki
14:40-15:30	ICS-1: First-Aid Course/Medical asepsis and precautions to take in health care facilities- Theoretical	
15:40-16:30	ICS-1: First-Aid Course/Medical asepsis and precautions to take in health care facilities- Theoretical	
16:40-17:30	ICS-1: First-Aid Course/Medical asepsis and precautions to take in health care facilities- Theoretical	
Thursday	31 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	ICS-1: First-Aid Course/Medical asepsis and precautions to take in health care facilities- Theoretical	Dr. Bülent Sezgin Dr. Eren Sakallı Dr. Didem Rıfki
14:40-15:30	ICS-1: First-Aid Course/Medical asepsis and precautions to take in health care facilities- Theoretical	
15:40-16:30	ICS-1: First-Aid Course/Medical asepsis and precautions to take in health care facilities- Theoretical	
16:40-17:30	ICS-1: First-Aid Course/Medical asepsis and precautions to take in health care facilities- Theoretical	
Friday	01 November	
08:40-09:30	Molecular transmission of genetic information	Dr. Ergül Mutlu Altundağ
09:40-10:30	Molecular transmission of genetic information	Dr. Ergül Mutlu Altundağ
10:40-11:30	PBL MODULE-2	Dr. Duygu Gençalp

11:40-12:30		Dr. Maryam Norouzbahari Dr. Özge Eker Inst. Gizem Şanlıtürk
13:40-14:30	ICS-1: Topic and Research Question	Dr. İlke Çetin Akçay Dr. Özge Cumaogulları Eker
14:40-15:30	ICS-1: Topic and Research Question	
15:40-16:30	Chemical kinetics and reaction mechanisms	Dr. Huriye İcil
16:40-17:30	Chemical kinetics and reaction mechanisms	Dr. Huriye İcil
6th Week (04 November– 08 November 2019)		
Monday	04 November	
08:40-09:30	TFMS101 – Turkish for Medical Students-I (Foreign Students)	Inst. Mine Özerinç
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Medical English (Gr 1 & Gr 2)	Dr. Nazan Doğruer Inst. Ayşe Kozansoy
14:40-15:30		
15:40-16:30	Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-187-Aerial Fitness and High Intensity Interval Training)	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Yasemin Kurtoglu
16:40-17:30		
Tuesday	05 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 (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	ICS-1: First-Aid Course/Medication administration procedures- Theoretical	Dr. Bülent Sezgin Dr. Didem Rıfkı Dr. Nilüfer Güzoğlu
14:40-15:30	ICS-1: First-Aid Course/Medication administration procedures- Theoretical	
15:40-16:30	ICS-1: First-Aid Course/Medication administration procedures- Theoretical	
16:40-17:30	ICS-1: First-Aid Course/Medication administration procedures- Theoretical	
Wednesday	06 November	
08:40-09:30	DNA Repair	Dr. Şükrü Tüzmen

09:40-10:30	Multifactorial inheritance	Dr. Şükrü Tüzmen
10:40-11:30	Population genetics	Dr. Şükrü Tüzmen
11:40-12:30	STUDY TIME	
13:40-14:30	ICS-1: First-Aid Course/Medication administration procedures-Practical	Dr. Nevin Yılmaz Dr. Amber Eker Bakkaloğlu Dr. Nilüfer Güzoğlu Dr. Bülent Sezgin Dr. Didem Rıfki
14:40-15:30	ICS-1: First-Aid Course/Medication administration procedures- Practical	
15:40-16:30	ICS-1: First-Aid Course/Medication administration procedures- Practical	
16:40-17:30	ICS-1: First-Aid Course/Medication administration procedures- Practical	
Thursday	07 November	
08:40-09:30	Biochemistry LAB: Urease - Group A	Dr. Ergül Altundağ Inst. Dr. Duygu Gençalp
09:40-10:30	Biochemistry LAB: Urease - Group A	Dr. Ergül Altundağ Inst. Dr. Duygu Gençalp
10:40-11:30	Biochemistry LAB: Urease - Group A	Dr. Ergül Altundağ Inst. Dr. Duygu Gençalp
11:40-12:30	Biochemistry LAB: Urease - Group A	Dr. Ergül Altundağ Inst. Dr. Duygu Gençalp
13:40-14:30	Biochemistry LAB: Urease - Group B	Dr. Ergül Altundağ Inst. Dr. Duygu Gençalp
14:40-15:30	Biochemistry LAB: Urease - Group B	Dr. Ergül Altundağ Inst. Dr. Duygu Gençalp
15:40-16:30	Biochemistry LAB: Urease - Group B	Dr. Ergül Altundağ Inst. Dr. Duygu Gençalp
16:40-17:30	Biochemistry LAB: Urease - Group B	Dr. Ergül Altundağ Inst. Dr. Duygu Gençalp
Friday	08 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	Fundamentals to Mendelian genetics	Dr. Şükrü Tüzmen
11:40-12:30	RNA synthesis and processing	Dr. Şükrü Tüzmen
13:40-14:30	RNA synthesis and processing	Dr. Şükrü Tüzmen
14:40-15:30	STUDY TIME	

15:40-16:30	Solubility and complex ion equilibrium	Dr. Huriye İcil
16:40-17:30	Solubility and complex ion equilibrium	Dr. Huriye İcil
7th Week (11-15 November 2019)		
Monday	11 November	
08:40-09:30	TFMS101 – Turkish for Medical Students-I (Foreign Students)	Inst. Mine Özerinç
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Medical English (Gr 1 & Gr 2)	Dr. Nazan Doğruer Inst. Ayşe Kozansoy
14:40-15:30		
15:40-16:30	Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-187-Aerial Fitness and High Intensity Interval Training)	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Yasemin Kurtuğlu
16:40-17:30		
Tuesday	12 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	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	TFMS101 – Turkish for Medical Students-I (Foreign Students) - Interactive Session	Inst. Mine Özerinç
14:40-15:30		
15:40-16:30		
16:40-17:30		
Wednesday	13 November	
08:40-09:30	Chromosome structure, function and anomalies	Dr. Şükrü Tüzmen
09:40-10:30	Viruses, plasmids, transposable genetic elements	Dr. Şükrü Tüzmen
10:40-11:30	PBL MODULE-3	Dr. Duygu Gençalp Dr. Maryam Norouzbahari Dr. Özge Eker Inst. Gizem Şanlıtürk
11:40-12:30		
13:40-14:30	ICS-1: First-Aid Course - Practical	Dr. Amber Eker Bakkaloğlu Dr. Bülent Sezgin Dr. Didem Rıfkı
14:40-15:30	ICS-1: First-Aid Course - Practical	
15:40-16:30	ICS-1: First-Aid Course - Practical	
16:40-17:30	ICS-1: First-Aid Course -Practical	

Thursday	14 November	
08:40-09:30	ICS-1: Topic and Research Question	Dr. İlke Akçay Dr. Özge Cumaoğulları Eker
09:40-10:30	ICS-1: Topic and Research Question	
10:40-11:30	Cell death and molecular mechanisms	Dr. Mustafa Akkiprik
11:40-12:30	Molecular basis of disease	Dr. Mustafa Akkiprik
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	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk
16:40-17:30	Atatürk's Principles and History of Modern Turkey	Dr. Turgay Bülent Göktürk
Friday	15 November	
08:40-09:30	THE REPUBLIC DAY OF TRNC	
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		
8th Week (18-22 November 2018)		
Monday	18 November	
08:40-09:30	TFMS101 – Turkish for Medical Students-I (Foreign Students)	Inst. Mine Özerinç
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Medical English (Gr 1 & Gr 2)	Dr. Nazan Doğruer Inst. Ayşe Kozansoy
14:40-15:30		
15:40-16:30	Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-187-Aerial Fitness and High Intensity Interval Training)	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Yasemin Kurtoğlu
16:40-17:30		

Tuesday	19 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	STUDY TIME	
11:40-12:30	STUDY TIME	
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	20 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	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	Cytogenetics	Dr. Ahmet İlter Güney
16:40-17:30	STUDY TIME	
Thursday	21 November	
08:40-09:30	Describing the data with graphics	Dr. İlke Çetin Akçay
09:40-10:30	Describing the data with graphics	Dr. Özge Cumaoğulları Eker
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	STUDY TIME	
16:40-17:30	STUDY TIME	
Friday	22 November	
08:40-09:30	Electrochemistry: oxidation and reduction	Dr. Huriye İcil
09:40-10:30	Electrochemistry: oxidation and reduction	Dr. Huriye İcil
10:40-11:30	PBL MODULE-4	Dr. Duygu Gençalp Dr. Maryam Norouzbahari Dr. Özge Eker Inst. Gizem Şanlıtürk
11:40-12:30		
13:40-14:30	Structure of proteins	Dr. Huriye İcil
14:40-15:30	High energy compounds	Dr. Huriye İcil
15:40-16:30	Structure of lipids	Dr. Huriye İcil
16:40-17:30	Structure of carbohydrates	Dr. Huriye İcil

9th Week (25-29 November 2019)		
Monday	25 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	26 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	27 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	28 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		
Friday	29 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		