



BEZMIALEM VAKIF UNIVERSITY

SCHOOL OF MEDICINE

2026- 2027

ACADEMIC YEAR

SEMESTER I

2026–2027 Academic Year Year 1 Course Schedule

Rector	Prof. Dr. Adem AKÇAKAYA
Vice Rector	Prof. Dr. Mehmet BİLGİN
Vice Rector	Prof. Dr. İbrahim AYDOĞDU
Dean	Prof. Dr. Ramazan ÖZDEMİR
Vice Dean	Prof. Dr. Teoman AYDIN
Vice Dean	Prof. Dr. Özlem SU KÜÇÜK
Chief Coordinator	Prof. Dr. Meltem GÜRSU
Deputy Chief Coordinator	Assoc. Prof. Dr. Bahadır TAŞLIDERE
English-Medium Medicine Program Coordinator	Prof. Dr. Pınar SOYSAL
Deputy English-Medium Medicine Program Coordinator	Assoc. Prof. Dr. Savaş ÜSTÜNOVA
1.Year Coordinator	Assoc. Prof. Dr. E. Rümeyza HEKİMOĞLU
1.Deputy Year Coordinator	Assist. Prof. Dr. Vildan Betül YENİGÜN
2.Year Coordinator	Assoc. Prof. Dr. Savaş ÜSTÜNOVA
2.Deputy Year Coordinator	Assist. Prof. Dr. Aysu KILIÇ
3.Year Coordinator	Prof. Dr. Yasemin AKKOYUNLU
3.Deputy Year Coordinator	Assoc. Prof. Dr. Ganime ÇOBAN
4.Year Coordinator	Prof. Dr. Cumali KARATOPRAK
4.Deputy Year Coordinator	Assoc. Prof. Dr. Hasan DAĞMURA
5.Year Coordinator	Prof. Dr. Ozan Volkan YURDAKUL
5.Deputy Year Coordinator	Assoc. Prof. Dr. Mehmet KAPICIOĞLU
6.Year Coordinator	Assoc. Prof. Dr. Bahadır TAŞLIDERE
6.Deputy Year Coordinator	Assist. Prof. Dr. Nihan BAYRAM

2026–2027 Academic Year Year 1 Course Schedule

SCHOOL OF MEDICINE 2026- 2027 ACADEMIC YEAR ACADEMIC CALENDAR				
SEMESTER I				
	START	END	EXAM DATE	
			FORMATIVE	SUMMATIVE
FALL SEMESTER	21.09.2026	29.01.2027		
1. SPIRAL (MED114- 1A) HISTORY AND SCIENCE OF MEDICINE – HUMAN AND BIOPSYCHOSOCIAL ENVIRONMENT	21.09.2026	23.10.2026	-----	23.10.2026
2. SPIRAL (MED115- 1B) CHEMICAL, MOLECULAR AND PHYSICAL BASIS OF LIFE	26.10.2026	20.11.2026	----- <i>PBL:</i> 06.11.2026	20.11.2026
3. SPIRAL (MED121- 1C) CELL – GENETICS AND LIFE CYCLE	23.11.2026	08.01.2027	14.12.2026	08.01.2027
1. SPIRAL (MED122- 2A) INTEGRATIVE STRUCTURE OF THE HUMAN BODY – MUSCULOSKELETAL SYSTEM	11.01.2027	02.04.2027	26.02.2027	02.04.2027
SEMESTER BREAK	01.02.2027	12.02.2027		
FALL SEMESTER FINAL	29.01.2027			
SPRING SEMESTER	15.02.2027	25.06.2027		
2. SPIRAL (MED123- 2B) CENTRAL NERVOUS SYSTEM AND SENSORY SYSTEMS	05.04.2027	18.06.2027	10.05.2027 <i>PBL:</i> 09.04.2027	18.06.2027 Basic Medical Skills Practical Examination 15.06.2027
SPRING SEMESTER FINAL	25.06.2027			
YEAR-END RESIT EXAMINATION	02.07.2027			

PBL: Program Based Learning

SCHOOL OF MEDICINE 2026- 2027 ACADEMIC YEAR MEDICAL ENGLISH AND COMMON MANDATORY AND ELECTIVE COURSES EXAM CALENDAR SEMESTER I			
	EXAM DATE		
FALL SEMESTER	MIDTERM EXAM	FINAL	MAKE-UP
MEDICAL ENGLISH I	-	20.01.2027	27.01.2027
COMMON ELECTIVE	-	20.01.2027	27.01.2027
TURKISH LANGUAGE I	09.11.2026	18.01.2027	25.01.2027
ATATÜRK'S PRINCIPLES AND REVOLUTIONS I	11.11.2026	21.01.2027	28.01.2027
SEMESTER BREAK	01.02.2027	12.02.2027	
	EXAM DATE		
SPRING SEMESTER	MIDTERM EXAM	FINAL	MAKE-UP
MEDICAL ENGLISH II	-	09.06.2027	16.06.2027
COMMON ELECTIVE	-	09.06.2027	16.06.2027
TURKISH LANGUAGE II	05.04.2027	07.06.2027	14.06.2027
ATATÜRK'S PRINCIPLES AND REVOLUTIONS II	06.04.2027	10.06.2027	14.06.2027

BEZMIALEM VAKIF UNIVERSITY
SCHOOL OF MEDICINE
2026-2027 ACADEMIC YEAR LECTURE PLAN

Course Code	Course Title		Semester	T	P	ECTS
TDL101	Turkish Language I		F	28	0	2
ATA101	Ataturk's Principles and Revolutions I		F	28	0	2
MED101	Medical English I		F	56	0	4
TDL102	Turkish Language II		S	28	0	2
ATA102	Ataturk's Principles and Revolutions II		S	28	0	2
MED102	Medical English II		S	56	0	4
	BUNDLE	FIRST-YEAR COURSE COMMITTEES		554	133	36
MED114	1A	History of Medicine Human and Biopsychosocial Environment	F	77	7	4
MED115	1B	Chemical, Molecular and Physical Basis of Life	F	47	1	3
MED121	1C	Cell Genetics and Life Cycle	F	154	11	9
MED122	2A	Integrative Structure of the Human Body - Musculoskeletal System	F	131	73	11
MED123	2B	Central Nervous and Sensory Neural Systems	S	125	42	9
	Elective 1		F	28	0	4
	Elective 2		S	28	0	4
TOTAL				836	134	60
BASIC MEDICAL SKILLS					13x6	The practical exam will be in the 2B committee

ECTS: European Credit Transfer and Accumulation System

P: Practical

T: Theoretical

AIMS AND OBJECTIVES OF FIRST-YEAR EDUCATION (CORE AND STANDARD SPIRAL CURRICULA)

AIM

Newly enrolled medical students will:

- Ability to grasp the characteristics of the medical profession and medical education;
- Ability to grasp how to make use of the basic sciences that underpin medical education;
- Learn the normal structure and function of the human body at the cellular, tissue, and organ levels;
- Understand the components of the human biopsychosocial environment and human behavior;
- Understand topics such as human genetic structure and genetic control;
- Recognize what is required to plan and conduct scientific research, understand how it is performed, and appreciate the importance of the appropriate use of biostatistics in scientific research;
- Acquire fundamental knowledge, attitudes, and skills regarding the normal structure and function of systems such as the skin and its appendages, the musculoskeletal system, the central nervous system, and sensory systems.

OBJECTIVES

By the end of the first year, students will be able to:

Knowledge

1. Explain the history of medicine, the medical profession, ethics, and professional ethics;
2. Understand the role of biophysics, biochemistry, and medical biology within medical science;
3. Recognize what is required to plan and conduct scientific research and understand how it is performed;
4. Understand the importance of the appropriate use of biostatistics in scientific research;
5. Explain cellular structure and functions, biomolecules within cells, and their modes of synthesis;
6. Explain genetics, human genetic structure, and genetic control;
7. Understand the normal structure and function of systems such as the musculoskeletal system, central nervous system, and sensory systems;
8. Identify methods used in health research;
9. Draw conclusions regarding factors that may threaten human health in the future.
10. Explain basic communication techniques
11. Count the basic components of history taking

Skills

1. Use basic diagnostic devices such as light microscopes;
2. Apply basic skills including sterilization procedures, hygienic handwashing, handling biological materials, donning sterile gloves, intravenous fluid administration, blood glucose measurement, and subcutaneous and intramuscular injections to protect themselves and others;
3. Access, process, and present information effectively;
4. Use technological devices such as computers and tablets and successfully complete examinations administered electronically;
5. Identify and distinguish structures of the skeletal, muscular, and nervous systems using models and cadavers.
6. Administer first aid in a simulated environment. perform injection techniques in a simulated environment
7. Conducts a patient–physician interview with a simulated patient using basic communication skills.
8. Take complete history of main complaint

Attitudes

1. Recognize the future potential of medicine, inspired by distinguished colleagues who have shaped its history;
2. Appreciate the contribution of scientific research to the development of medicine and recognize themselves as potential contributors to such work;
3. Value collaboration with colleagues and work teams;
4. Internalize the understanding that medicine is a respected and honorable profession;
5. Recognize the fundamental duties of physicians and develop a sense of responsibility.
6. Demonstrates awareness of the limits of their competence works as part of a team

FALL SEMESTER FINAL QUESTION DISTRIBUTION

Course Title Faculty Members	Total Theoretical Lecture Hours	FINAL EXAM Total Number of Questions
Physiology Assoc. Prof. Dr. Savaş ÜSTÜNOVA	13	5
Histology Prof. Dr. Mukaddes EŞREFOĞLU	26	10
Biophysics Assist. Prof. Dr. Denizhan KARIŞ	31	12
Biochemistry Assist. Prof. Dr. Vildan Betül Yenigün Assist. Prof. Dr. Ufuk SARIKAYA Res. Assist. Dr. Fatmanur KÖKTAŞOĞLU	32 40 13	12 15 5
Medical Biology Assist. Prof. Dr. Gülçin ÖZKARA	34	14
Microbiology Prof. Dr. Mehmet Ziya DOYMAZ	12	5
Organic Chemistry Prof. Dr. Binnur TEMEL	6	2
Psychiatry Assist. Prof. Dr. Zeliha DÖNMEZ Assist. Prof. Dr. Özge SELÇUKOĞLU KİLİMCİ	6 1	2 1
Public Health Assist. Prof. Dr. Sabanur ÇAVDAR Dr. Melek Nur ASLAN	8 12	3 5
History of Medicine Assist. Prof. Dr. Özlem BİLDİK	16	6
Philosophy of Medicine Prof. Dr. Hakan ŞENTÜRK	3	1
Family Medicine Prof. Dr. Aclan ÖZDER	2	1
Fundamental Disaster Preparedness and Disaster Awareness Training Assist. Prof. Dr. Özcan ERDOĞAN	2	1
TOTAL	257	100

1A COMMITTEE

(History of Medicine and Medical Education, Human and Biopsychosocial Environment)

COMMITTEE CHAIR: Assist. Prof. Dr. Dr. Özlem BİLDİK

Course Title Faculty Members	T	P	Total	ECTS
Psychiatry Assist. Prof. Dr. Zeliha DÖNMEZ Assist. Prof. Dr. Özge SELÇUKOĞLU KİLİMCİ	6 1	-	7	
Biophysics Assist. Prof. Dr. Denizhan KARIŞ	6	-	6	
Philosophy of Medicine Prof. Dr. Hakan ŞENTÜRK	3	-	3	
Public Health Assist. Prof. Dr. Sabanur ÇAVDAR Dr. Melek Nur ASLAN	8 12	-	20	
History of Medicine Assist. Prof. Dr. Özlem BİLDİK	16	4	20	
Biochemistry Assist. Prof. Dr. Vildan Betül Yenigün Assist. Prof. Dr. Ufuk SARIKAYA	2 4	3	9	
Microbiology Prof. Dr. Mehmet Ziya DOYMAZ	3	-	3	
Fundamental Disaster Preparedness and Disaster Awareness Training Assist. Prof. Dr. Özcan ERDOĞAN	2		2	
Basic Medical Skills (Not Included in the Committee Examination) Prof. Dr. Hülya AKAN	-	6	6	
TOTAL	63	13	76	4

ECTS: European Credit Transfer and Accumulation System

P: Practical

T: Theoretical

1A COMMITTEE

(MED114 History of Medicine and Medical Education, Human and Biopsychosocial Environment)

SUMMATIVE EXAM QUESTION DISTRIBUTION

Learning Objectives	Course Title Faculty Member	T	P	Total
LO9	Psychiatry Assist. Prof. Dr. Zeliha DÖNMEZ Assist. Prof. Dr. Özge SELÇUKOĞLU KILIMCI	5 1	-	6
LO14	Biophysics Assist. Prof. Dr. Denizhan KARIŞ	4	-	4
LO3, LO4, LO6	Philosophy of Medicine Prof. Dr. Hakan ŞENTÜRK	2	-	2
LO7, LO10, LO11, LO12	Public Health Assist. Prof. Dr. Sabanur ÇAVDAR Dr. Melek Nur ASLAN	6 10	-	16
LO1, LO2, LO5	History of Medicine Assist. Prof. Dr. Dr. Özlem BİLDİK	12	-	12
LO13	Biochemistry Assist. Prof. Dr. Vildan Betül Yenigün Assist. Prof. Dr. Ufuk SARIKAYA	1 3	3	7
LO8	Microbiology Prof. Dr. Mehmet Ziya DOYMAZ	2	-	2
LO15	Fundamental Disaster Preparedness and Disaster Awareness Training Assist. Prof. Dr. Özcan ERDOĞAN	1		2
TOTAL		47	3	50

ECTS: European Credit Transfer and Accumulation System

P: Practical

T: Theoretical

COMMITTEE SCORE DISTRIBUTION	SUMMATIVE
	%100
Students who have absences related to the Social Responsibility Project included in this committee and who fail to submit the feedback report will not be allowed to take the summative examination.	

1. YEAR 1. COURSE COMMITTEE (MED114- 1A Committee)

HISTORY OF MEDICINE AND MEDICAL EDUCATION, HUMAN AND BIOPSYCHOSOCIAL ENVIRONMENT

AIM

- Enable students to understand the current position of the medical profession in light of the historical development of the medical sciences;
 - Recognize the scientific developments and research and development processes in which they are involved;
 - Gain knowledge of the medical discoveries and inventions that paved the way for modern medicine and their contributions to clinical practice, and develop ideas about pathways for future innovations;
 - Become familiar with the legal regulations governing medical practice in Türkiye in the context of the historical development of medical deontology;
 - Ability to grasp the importance of medical ethics and the values and virtues expected of physicians in professional practice and develop awareness of good medical practice;
 - Enable students to begin their medical careers with an understanding of the general principles and development of current professional practices. In addition,
 - Students will acquire knowledge, skills, and attitudes regarding the positive and negative effects of interactions with the biopsychosocial environment (biological and social environment, air, water, food, noise pollution, solid and liquid waste, etc.) on human health.
- Accordingly,

LEARNING OBJECTIVES

At the end of this committee, students will be able to:

1. Evaluate the current state of the medical profession accurately based on its historical heritage;
2. Recognize the importance of becoming a dedicated physician who respects contributions to medical science, teachers, colleagues, and the art of medicine, and who is inspired by historical examples to contribute to the profession in the future;
3. Ability to grasp medicine not only as a field of practice and service but also as a science, and identify themselves as a scientist within this field;
4. Ability to grasp the historical evolution of medical education and the fundamental characteristics and importance of medical education in Türkiye and at our university, adapt to the educational system, and improve academic achievement;
5. Explain historical models of healthcare management and financing and the healthcare delivery model used in Türkiye;
6. Explain research methods used in healthcare and determine which research method should be used in given examples;
7. Explain issues that may threaten human health in the future and their importance; discuss potential future scientific and technological developments in medicine and their positive and negative effects on human health, and position themselves as an important actor in the future of medicine;
8. Explain the biological environment, its components, their positive and negative effects on human health, and methods of protection from harmful factors;
9. Describe the psychosocial environment, its components, their positive and negative effects on human health, and methods of protection from harmful factors;
10. Explain legal and other protective measures related to work and occupational activities;
11. Describe the relationship between food sources, processing, provision and consumption, and health;
12. Recognize the characteristics of the society in which they live and the concept of the social state;
13. Define fundamental concepts in biochemistry, laboratory safety, and equipment used in the laboratory;
14. Ability to grasp the fundamental unit systems used in biophysics, atomic properties, and chemical bonding.
15. Explain natural, human-caused, and technology-related disasters;

2026–2027 Academic Year Year 1 Course Schedule

- 16.** Demonstrate basic skills in hygienic handwashing and handling biological materials.
17. Administer first aid in a simulated environment.

Contribution of Course Learning Outcomes to Program Learning Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
LO1	1	5	5	5	5	1	5	1
LO2	1	5	5	5	5	1	5	1
LO3	1	5	5	5	5	1	5	1
LO4	1	5	2	5	5	5	5	5
LO5	1	5	2	5	5	2	5	2
LO6	2	5	1	5	5	2	5	2
LO7	1	5	1	5	5	1	5	1
LO8	1	5	1	5	5	5	5	5
LO9	1	5	1	5	5	5	5	5
LO10	1	5	1	5	5	5	5	5
LO11	1	5	1	5	5	5	5	5
LO12	1	5	1	5	5	5	5	5
LO 13	1	5	5	5	5	1	5	5
LO14	1	5	5	5	5	2	5	5
LO15	5	3	5	3	3	3	3	5
LO 16	1	5	1	5	2	5	5	5

LO: Learning Outcomes, **PO:** Program Outcomes

2026–2027 Academic Year Year 1 Course Schedule

1A COMMITTEE (History of Medicine and Medical Education, Human and Biopsychosocial Environment)					
	21 September Monday	22 September Tuesday	23 September Wednesday	24 September Thursday	25 September Friday
08:30 09:15	Adem AKÇAKAYA Rector Ramazan ÖZDEMİR Dean Özlem SU KÜÇÜK Vice Dean Teoman AYDIN Vice Dean	Meeting with the Academic Advisor Meeting with the Academic Advisor	SELF-STUDY	PROGRAM COMPETENCY WORKSHOP	PROGRAM COMPETENCY WORKSHOP
09:30 10:15	Introduction Meltem GÜRSU Chief Coordinator Semra ÖZÇELİK Department of Medical Education E. Rümeysa HEKİMOĞLU V. Betül YENİGÜN Year 1 Coordinators	Meeting with the Academic Advisor	Introduction to the Educational Programs (Teaching Clinical Practice in Medical Education) Semra ÖZÇELİK	PROGRAM COMPETENCY WORKSHOP	PROGRAM COMPETENCY WORKSHOP
10:30 11:15	Addiction Prevention and Awareness Orientation PSYCHIATRY Zeliha DÖNMEZ	Meeting with the Academic Advisor	Introduction to the Educational Programs (Teaching Clinical Practice in Medical Education) Semra ÖZÇELİK	PROGRAM COMPETENCY WORKSHOP	PROGRAM COMPETENCY WORKSHOP
11:30 12:15	Addiction Prevention and Awareness Orientation PSYCHIATRY Zeliha DÖNMEZ	Meeting with the Academic Advisor	Introduction to the Educational Programs (Teaching Clinical Practice in Medical Education) Semra ÖZÇELİK	PROGRAM COMPETENCY WORKSHOP	PROGRAM COMPETENCY WORKSHOP
13:30 14:15	Knowledge Centers in University Libraries Özlem YALÇINKAYA	SELF-STUDY	ELECTIVE (ONLINE/IN-PERSON)	SELF-STUDY	SELF-STUDY
14.30 15:15	Knowledge Centers in University Libraries Özlem YALÇINKAYA	SELF-STUDY	ELECTIVE (ONLINE/IN-PERSON)	SELF-STUDY	SELF-STUDY
15.30 16:15	SELF-STUDY	SELF-STUDY	Medical English	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS I
16.30 17:15	SELF-STUDY	SELF-STUDY	Medical English	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS I

2026–2027 Academic Year Year 1 Course Schedule

1A COMMITTEE (History of Medicine and Medical Education, Human and Biopsychosocial Environment)					
	28 September Monday	29 September Tuesday	30 September Wednesday	1 October Thursday	2 October Friday
08:30 09:15	SELF-STUDY	Introduction to Anatomy ANATOMY Yasin ARİFOĞLU	Introduction to Physiology PHYSIOLOGY Savaş ÜSTÜNOVA	Biosafety in Healthcare Facilities MICROBIOLOGY Mehmet Ziya DOYMAZ	Disinfection and Sterilization MICROBIOLOGY Mehmet Ziya DOYMAZ
09:30 10:15	Introduction to HISTOLOGY Mukaddes EŞREFOĞLU	Ancient Greek and Roman Medicine HISTORY OF MEDICINE Özlem BİLDİK	Behavioral Sciences PSYCHIATRY Zeliha DÖNMEZ	Medicine in Medieval Europe and the Renaissance HISTORY OF MEDICINE Özlem BİLDİK	Disinfection and Sterilization (ENG) MICROBIOLOGY Mehmet Ziya DOYMAZ
10:30 11:15	Medicine in Ancient Civilizations HISTORY OF MEDICINE Özlem BİLDİK	Islamic Medicine HISTORY OF MEDICINE Özlem BİLDİK	Definitions and Topics of Psychology and Psychiatry PSYCIATRY Zeliha DÖNMEZ	Medicine in the Classical Ottoman Period HISTORY OF MEDICINE Özlem BİLDİK	Modernization of Medicine in the Ottoman Empire HISTORY OF MEDICINE Özlem BİLDİK
11:30 12:15	SELF-STUDY	SELF-STUDY	Learning Theories PSYCHIATRY Zeliha DÖNMEZ	SELF-STUDY	Medical Discoveries, Inventions, and Advances HISTORY OF MEDICINE Özlem BİLDİK
13:30 14:15	First Aid: Introduction, Scene Assessment, Basic Life Support in Adults, and AED Use BASIC MEDICAL SKILLS HULYA AKAN	Fundamental Disaster Preparedness and Disaster Awareness Training Özcan ERDOĞAN	ELECTIVE (ONLINE/IN-PERSON)	Fundamental Concepts in Biochemistry BIOCHEMISTRY Vildan Betül YENİGÜN	Introduction to the Social Responsibility Project Semra ÖZÇELİK
14.30 15:15	First Aid: Introduction, Scene Assessment, Basic Life Support in Adults, and AED Use BASIC MEDICAL SKILLS HULYA AKAN	Fundamental Disaster Preparedness and Disaster Awareness Training Özcan ERDOĞAN	ELECTIVE (ONLINE/IN-PERSON)	Fundamental Concepts in Biochemistry BIOCHEMISTRY Vildan Betül YENİGÜN	Introduction to the Social Responsibility Project Semra ÖZÇELİK
15.30 16:15	Introduction to Biophysics and Basic Biophysical Concepts BIOPHYSICS Denizhan KARIŞ	First Aid: Basic Life Support in Children and Infants, First Aid for Drowning, and AED Use BASIC MEDICAL SKILLS	Medical English	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS I
16.30 17:15	Introduction to Biophysics and Basic Biophysical Concepts BIOPHYSICS Denizhan KARIŞ	First Aid: Basic Life Support in Children and Infants, First Aid for Drowning, and AED Use BASIC MEDICAL SKILLS	Medical English	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS I

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1A COMMITTEE (History of Medicine and Medical Education, Human and Biopsychosocial Environment)					
	5 October Monday	6 October Tuesday	7 October Wednesday	8 October Thursday	9 October Friday
08:30 09:15	International Health PUBLIC HEALTH Melek Nur ASLAN	SELF-STUDY	LAB 1×2: Laboratory Safety; Introduction to Laboratory Equipment BIOCHEMISTRY	Psychiatric Theories and Approaches PSYCHIATRY Özge SELÇUKOĞLU KİLİMCİ	Bezmialem Valide Sultan HISTORY OF MEDICINE Özlem BİLDİK SELF-STUDY
09:30 10:15	Health– Biopsychosocial Environment Interaction PUBLIC HEALTH Melek Nur ASLAN	Medical Deontology / Professional Ethics HISTORY OF MEDICINE Özlem BİLDİK	LAB 1×2: Laboratory Safety; Introduction to Laboratory Equipment BIOCHEMISTRY	Psychopathology and the Concept of Norlality PSYCHIATRY Özge SELÇUKOĞLU KİLİMCİ	Bezmialem Valide Sultan HISTORY OF MEDICINE Özlem BİLDİK
10:30 11:15	Health– Biopsychosocial Environment Interaction PUBLIC HEALTH Melek Nur ASLAN	Physicians' Legal Responsibilities and Medical Malpractice HISTORY OF MEDICINE Özlem BİLDİK	SELF-STUDY	Bezmialem Valide Sultan HISTORY OF MEDICINE Özlem BİLDİK	Principles and Applications of Spectrophotometry BIOCHEMISTRY Ufuk SARIKAYA
11:30 12:15	Concepts of Health and Disease from Past to Present and the Public Health Approach PUBLIC HEALTH Melek Nur ASLAN	Introduction to Medical Ethics: Fundamental Concepts and Ethical Principles HISTORY OF MEDICINE Özlem BİLDİK	SELF-STUDY	Bezmialem Valide Sultan HISTORY OF MEDICINE Özlem BİLDİK	Principles and Applications of Spectrophotometry BIOCHEMISTRY Ufuk SARIKAYA
13:30 14:15	Epidemics and Infectious Diseases HISTORY OF MEDICINE Özlem BİLDİK	THEORİTİCAL Basic Life Support (BLS) in Adults, Children, and Infants / AED Use and the Heimlich Maneuver BASIC MEDICAL SKILLS HÜLYA AKAN	ELECTIVE (ONLINE/IN-PERSON)	Philosophy of Medical Science Hakan ŞENTÜRK	Psychosexual and Psychosocial Developmental Stages PSYCHIATRY Özge SELÇUKOĞLU KİLİMCİ
14.30 15:15	Medicine and Healthcare Services in Republican Türkiye HISTORY OF MEDICINE Özlem BİLDİK	THEORİTİCAL Basic Life Support (BLS) in Adults, Children, and Infants / AED Use and the Heimlich Maneuver BASIC MEDICAL SKILLS HÜLYA AKAN	ELECTIVE (ONLINE/IN-PERSON)	Philosophy of Medical Science Hakan ŞENTÜRK	Cognitive Development PSYCHIATRY Özge SELÇUKOĞLU KİLİMCİ
15.30 16:15	Biophysical Arrangement of Biomolecules - Atomic Structure, Atomic Models BIOPHYSICS Denizhan KARIŞ	THEORİTİCAL Basic Life Support (BLS) in Adults, Children, and Infants / AED Use and the Heimlich Maneuver BASIC MEDICAL SKILLS HÜLYA AKAN	Medical English I	Philosophy of Medical Science Hakan ŞENTÜRK	ATATÜRK'S PRINCIPLES AND REVOLUTIONS I

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16.30 17:15	Biophysical Arrangement of Biomolecules - Atomic Structure, Atomic Models BIOPHYSICS Denizhan KARIŞ	THEORITICAL Basic Life Support (BLS) in Adults, Children, and Infants / AED Use and the Heimlich Maneuver BASIC MEDICAL SKILLS HÜLYA AKAN (ORTAK)	Medical English I	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS I
1A COMMITTEE (History of Medicine and Medical Education, Human and Biopsychosocial Environment)					
	12 October Monday	13 October Tuesday	14 October Wednesday	15 October Thursday	16 October Friday
08:30 09:15	Social Determinants of Health (Basic Concepts) PUBLIC HEALTH Sabanur ÇAVDAR ***	Status of Health Services Globally and in Türkiye PUBLIC HEALTH Sabanur ÇAVDAR	SELF-STUDY	LAB 1×4: Use of the Spectrophotometer BIOCHEMISTRY	LAB 1×4: Preparation of Solutions and Buffers BIOCHEMISTRY
09:30 10:15	Health Education PUBLIC HEALTH Sabanur ÇAVDAR ***	Healthy Nutrition and Basic Principles of Community Nutrition PUBLIC HEALTH Sabanur ÇAVDAR	Solutions and Buffers BIOCHEMISTRY Ufuk SARIKAYA	LAB 1×4: Use of the Spectrophotometer BIOCHEMISTRY	LAB 1×4: Preparation of Solutions and Buffers BIOCHEMISTRY
10:30 11:15	Levels of Health Protection and Health Promotion PUBLIC HEALTH Sabanur ÇAVDAR ***	Aging and Issues of Old Age from a Community Health Perspective PUBLIC HEALTH Sabanur ÇAVDAR	Solutions and Buffers BIOCHEMISTRY Ufuk SARIKAYA	LAB 1×4: Use of the Spectrophotometer BIOCHEMISTRY	LAB 1×4: Preparation of Solutions and Buffers BIOCHEMISTRY
11:30 12:15	Epidemiology and Epidemiological Research Methods PUBLIC HEALTH Sabanur ÇAVDAR ***	Management/ Supervision in Health Services and Health Economics PUBLIC HEALTH Sabanur ÇAVDAR	SELF-STUDY	LAB 1×4: Use of the Spectrophotometer BIOCHEMISTRY	LAB 1×4: Preparation of Solutions and Buffers BIOCHEMISTRY
13:30 14:15	Interaction Between Atoms and Molecules, Intramolecular and Intermolecular Bonds BIOPHYSICS Denizhan KARIŞ	Visit to Darülaceze HISTORY OF MEDICINE (PRACTICAL) Özlem BİLDİK	ELECTIVE (ONLINE/IN-PERSON)	SELF-STUDY	SELF-STUDY
14:30 15:15	Interaction Between Atoms and Molecules, Intramolecular and Intermolecular Bonds BIOPHYSICS Denizhan KARIŞ	Visit to Darülaceze HISTORY OF MEDICINE (PRACTICAL) Özlem BİLDİK	ELECTIVE (ONLINE/IN-PERSON)	SELF-STUDY	SELF-STUDY
15:30 16:15	SELF-STUDY	Visit to Darülaceze HISTORY OF MEDICINE (PRACTICAL) Özlem BİLDİK	Medical English I	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS I

2026–2027 Academic Year Year 1 Course Schedule

16.30 17:15	SELF-STUDY	Visit to Darülaceze HISTORY OF MEDICINE (PRACTICAL) Özlem BİLDİK	Medical English I	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS I
1A COMMITTEE (History of Medicine and Medical Education, Human and Biopsychosocial Environment)					
	19 October Monday	20 October Tuesday	21 October Wednesday	22 October Thursday	23 October Friday
08:30 09:15	Management of Communicable Diseases in the Community/ Immunization PUBLIC HEALTH Melek Nur ASLAN	Health 21 PUBLIC HEALTH Melek Nur ASLAN	SELF-STUDY	SELF-STUDY	1A COMMITTEE EXAM EXAM FEEDBACK WILL BE PROVIDED 15 MINUTES AFTER THE EXAM
09:30 10:15	Management / Control of Chronic Diseases in the Community PUBLIC HEALTH Melek Nur ASLAN	Health and Safety in Working Life and Introduction to Occupational Health PUBLIC HEALTH Melek Nur ASLAN	SELF-STUDY	SELF-STUDY	
10:30 11:15	Introduction to Occupational Health, Principles of Occupational Health Practice PUBLIC HEALTH Melek Nur ASLAN	School Health PUBLIC HEALTH Melek Nur ASLAN	SELF-STUDY	SELF-STUDY	
11:30 12:15	Key Characteristics of Health Services and Health Policies, Health Service Model in Türkiye PUBLIC HEALTH Melek Nur ASLAN	Priorities in Maternal and Child Health PUBLIC HEALTH Melek Nur ASLAN	SELF-STUDY	SELF-STUDY	
13:30 14:15	Brain Health Susan Shenkin Edinburg University	SELF-STUDY	ELECTIVE (ONLINE/IN-PERSON)	SELF-STUDY	SELF-STUDY
14.30 15:15	Social Responsibility Project (World Breast Health Day) Süleyman ATALAY	SELF-STUDY	ELECTIVE (ONLINE/IN-PERSON)	SELF-STUDY	SELF-STUDY
15.30 16:15	SELF-STUDY	SELF-STUDY	Medical English I	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS I

16.30 17:15	SELF-STUDY	SELF-STUDY	Medical English I	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS I
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1B COMMITTEE (MED115 Chemical, Molecular and Physical Basis of Life)

COMMITTEE CHAIR: Assist. Prof. Dr. Vildan Betül YENİGÜN

Course Title Faculty Member	T	P	Total	ECTS
Biophysics Assist. Prof. Dr. Denizhan KARIŞ	16		16	
Biochemistry Assist. Prof. Dr. Vildan Betül Yenigün Assist. Prof. Dr. Ufuk SARIKAYA Research Assistant Fatmanur KÖKTAŞOĞLU	16 9 6	1	32	
Organic Chemistry Prof. Dr. Binnur TEMEL	6		6	
Johns Hopkins Dr. Rachel GREEN	2		2	
Basic Medical Skills (Not Included in the Committee Examination) HÜLYA AKAN	-	6	6	
TOTAL	55	7	62	3

ECTS: European Credit Transfer and Accumulation System

P: Practical

T: Theoretical

1B COMMITTEE (Chemical, Molecular and Physical Basis of Life)
SUMMATIVE EXAM QUESTION DISTRIBUTION

Learning Objectives	Course Title Faculty Member	T	P	Total
LO5, LO6	Biophysics Assist. Prof. Dr. Denizhan KARIŞ	15		15
LO3, LO4	Biochemistry Assist. Prof. Dr. Vildan Betül Yenigün Assist. Prof. Dr. Ufuk SARIKAYA Research Assistant Fatmanur KÖKTAŞOĞLU	15 7 5	1	28
LO1, LO2	Organic Chemistry Prof. Dr. Binnur TEMEL	5		5
	JOHNS HOPKINS Dr. Rachel GREEN	2		2
TOTAL		49	1	50

ECTS: European Credit Transfer and Accumulation System

P: Practical

T: Theoretical

COMMITTEE SCORE DISTRIBUTION	SUMMATIVE
	%100
Students who have absences related to the Social Responsibility Project and PBL included in this committee and who fail to submit the feedback report will not be allowed to take the final examination.	

1. YEAR 2. COURSE COMMITTEE (MED115- 1B Committee)**CHEMICAL, MOLECULAR AND PHYSICAL BASIS OF LIFE****AIM**

- Define and classify biomolecules found in humans and explain their functions;
- Develop knowledge, skills, and attitudes regarding diseases that may result from dysfunction of these molecules;
- Understand the use of radiation and examine the relationship between radiation, humans, and the environment.

LEARNING OBJECTIVES

At the end of this committee, students will be able to:

1. Explain atoms, molecules, compounds, and their interactions that form the basis of the human organism;
2. Identify the organic molecules that constitute human cells;
3. Understand that every disease has a biochemical basis;
4. Recognize concepts important for the diagnosis, treatment, and prevention of metabolic diseases and evaluate the normal processes by which atoms form molecules and molecules form cells through interactions among biomolecules;
5. Explain fundamental physical interactions in living cells and physical laws such as Newtonian and non-Newtonian laws;
6. Explain the medical applications of radiation and its effects on human tissues;
7. Administer first aid in a simulated environment.

Contribution of Course Learning Outcomes to Program Learning Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
LO1	2	1	2	5	1	5	2	1
LO2	2	2	2	5	1	4	2	1
LO3	4	2	2	5	1	4	2	5
LO4	4	4	2	5	1	4	2	4
LO5	4	4	2	5	1	2	2	2
LO6	4	3	1	4	1	4	3	5
LO7	5	3	5	3	3	3	3	5
LO8	5	4	5	3	4	4	5	5

LO: Learning Outcomes, **PO:** Program Outcomes

1B COMMITTEE (Chemical, Molecular and Physical Basis of Life)						
	26 October Monday	27 October Tuesday	28 October Wednesday	29 October Thursday	30 October Friday	
08:30 09:15	Water, pH, and Electrolytes BIOCHEMISTRY Ufuk SARIKAYA	SELF-STUDY	Protein Structure BIOCHEMISTRY Vildan Betül Yenigün	REPUBLIC DAY	Organic Chemistry ORGANİK KİMYA Binnur TEMEL	
09:30 10:15	Water, pH, and Electrolytes BIOCHEMISTRY Ufuk SARIKAYA	SELF-STUDY	Protein Structure BIOCHEMISTRY Vildan Betül YENİGÜN		Organic Chemistry ORGANİK KİMYA Binnur TEMEL	
10:30 11:15	Organic Chemistry ORGANİK KİMYA Binnur TEMEL	Introduction to Carbohydrates BIOCHEMISTRY Ufuk SARIKAYA	SELF-STUDY		Biomolecular Structures of Amino Acids BIOCHEMISTRY Ufuk SARIKAYA	
11:30 12:15	Organic Chemistry ORGANİK KİMYA Binnur TEMEL	Introduction to Carbohydrates BIOCHEMISTRY Ufuk SARIKAYA	SELF-STUDY		Biomolecular Structures of Amino Acids BIOCHEMISTRY Ufuk SARIKAYA	
13:30 14:15	Biophysical Properties of Water and the Role of Water in Organisms BIOPHYSICS Denizhan KARIŞ	Biomolecular Structures of Carbohydrates BIOCHEMISTRY Ufuk SARIKAYA	REPUBLIC DAY EVE		SELF-STUDY	
14.30 15:15	Body Fluids - Distribution and Properties - Osmotic Pressure BIOPHYSICS Denizhan KARIŞ	Biomolecular Structures of Carbohydrates BIOCHEMISTRY Ufuk SARIKAYA			SELF-STUDY	
15.30 16:15	Protein Structure and Functions, Physical Methods Used in Protein Purification and Structure Determination BIOPHYSICS Denizhan KARIŞ	Organic Chemistry ORGANİK KİMYA Binnur TEMEL			ATATÜRK'S PRINCIPLES AND REVOLUTIONS I	

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16.30 17:15	Protein Structure and Functions, Physical Methods Used in Protein Purification and Structure Determination BIOPHYSICS Denizhan KARIŞ	Organic Chemistry ORGANİK KİMYA Binnur TEMEL			ATATÜRK'S PRINCIPLES AND REVOLUTIONS I
1B COMMITTEE (Chemical, Molecular and Physical Basis of Life)					
	2 November Pazartesi	3 November Salı	4 November Çarşamba	5 November Perşembe	6 November Cuma
08:30 09:15	Program Based Learning	Self-Study	Program Based Learning	Program Based Learning	PBL EXAM
09:30 10:15	Program Based Learning	Self-Study	Program Based Learning	Program Based Learning	
10:30 11:15	Program Based Learning	Self-Study	Program Based Learning	Program Based Learning	
11:30 12:15	Program Based Learning	Self-Study	Program Based Learning	Program Based Learning	
13:30 14:15	Protein Synthesis JOHNS HOPKINS Rachel GREEN	PRACTICAL First Aid BASIC SCIENCE SKILLS HÜLYA AKAN (ORTAK)	ELECTIVE (ONLINE/IN-PERSON)	Self-Study	Self-Study
14.30 15:15	RNA processing JOHNS HOPKINS Rachel GREEN	PRACTICAL First Aid BASIC SCIENCE SKILLS HÜLYA AKAN (ORTAK)	ELECTIVE (ONLINE/IN-PERSON)	Self-Study	Self-Study
15.30 16:15	Social Responsibility Project Presentation (World Children's Leukemia Week) Nihan BAYRAM Self-Study	PRACTICAL First Aid BASIC SCIENCE SKILLS HÜLYA AKAN (ORTAK)	Medical English I	Self-Study	ATATÜRK'S PRINCIPLES AND REVOLUTIONS I

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16.30 17:15	Self-Study	PRACTICAL First Aid BASIC SCIENCE SKILLS HÜLYA AKAN (ORTAK)	Medical English I	Self-Study	ATATÜRK'S PRINCIPLES AND REVOLUTIONS I
1B COMMITTEE (Chemical, Molecular and Physical Basis of Life)					
	9 November Monday	10 November Tuesday	11 November Wednesday	12 November Thursday	13 November Friday
08:30 09:15	Identification Reactions of Proteins and Amino Acids BIOCHEMISTRY Vildan Betül YENİGÜN	SELF-STUDY	Medical Imaging Methods - X-rays and Their Properties - Radiography - CT Scanning BIOPHYSICS Denizhan KARIŞ	Biomolecular Structures of Lipids BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	Biomolecular Structures of Nucleotides BIOCHEMISTRY Vildan Betül YENİGÜN
09:30 10:15	Identification Reactions of Proteins and Amino Acids BIOCHEMISTRY Vildan Betül YENİGÜN	SELF-STUDY	Medical Imaging Methods - X-rays and Their Properties - Radiography - CT Scanning BIOPHYSICS Denizhan KARIŞ	Biomolecular Structures of Lipids BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	Biomolecular Structures of Nucleotides BIOCHEMISTRY Vildan Betül YENİGÜN
10:30 11:15	Definition and Biomolecular Structures of Lipids BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	Definition and Biomolecular Structures of Lipids BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	Biophysical Characteristics of MR Imaging BIOPHYSICS Denizhan KARIŞ	Trace Elements BIOCHEMISTRY Vildan Betül YENİGÜN	Inorganic Macromolecules BIOCHEMISTRY Vildan Betül YENİGÜN
11:30 12:15	Definition and Biomolecular Structures of Lipids BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	Definition and Biomolecular Structures of Lipids BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	Radioactive Imaging Methods (PET-SPECT) BIOPHYSICS Denizhan KARIŞ	Trace Elements BIOCHEMISTRY Vildan Betül YENİGÜN	Inorganic Macromolecules BIOCHEMISTRY Vildan Betül YENİGÜN
	TURKISH LANGUAGE I MIDTERM EXAM		ATATÜRK'S PRINCIPLES AND REVOLUTIONS I MIDTERM EXAM		
13:30 14:15	Radiation Biophysics (Ionizing and Non-Ionizing Radiation) BIOPHYSICS Denizhan KARIŞ	SELF-STUDY	ELECTIVE (ONLINE/IN-PERSON)	LAB 1×4: Identification Reactions of Lipids BIOCHEMISTRY	SELF-STUDY
14.30 15:15	Radiation Biophysics (Ionizing and Non-Ionizing Radiation) BIOPHYSICS Denizhan KARIŞ	SELF-STUDY	ELECTIVE (ONLINE/IN-PERSON)	LAB 1×4: Identification Reactions of Lipids BIOCHEMISTRY	SELF-STUDY
15.30 16:15	Medical Applications of Radiation and Its Molecular Effects on Living Tissue BIOPHYSICS Denizhan KARIŞ	SELF-STUDY	Medical English	LAB 1×4: Identification Reactions of Lipids BIOCHEMISTRY	SELF-STUDY

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16.30 17:15	Medical Applications of Radiation and Its Molecular Effects on Living Tissue BIOPHYSICS Denizhan KARIŞ	SELF-STUDY	Medical English	LAB 1×4: Identification Reactions of Lipids BIOCHEMISTRY	SELF-STUDY
1B COMMITTEE (Chemical, Molecular and Physical Basis of Life)					
	16 November Monday	17 November Tuesday	18 November Wednesday	19 November Thursday	20 November Friday
08:30 09:15	Free Radicals and Antioxidants BIOCHEMISTRY Vildan Betül YENİGÜN	SELF-STUDY	SELF-STUDY	SELF-STUDY	1 B COMMITTEE EXAM EXAM FEEDBACK WILL BE PROVIDED 15 MINUTES AFTER THE EXAM
09:30 10:15	Free Radicals and Antioxidants BIOCHEMISTRY Vildan Betül YENİGÜN	SELF-STUDY	SELF-STUDY	SELF-STUDY	
10:30 11:15	Structure and Functions of Vitamins BIOCHEMISTRY Vildan Betül YENİGÜN	Water-Soluble and Fat-Soluble Vitamins BIOCHEMISTRY Vildan Betül YENİGÜN	SELF-STUDY	SELF-STUDY	
11:30 12:15	Structure and Functions of Vitamins BIOCHEMISTRY Vildan Betül YENİGÜN	Water-Soluble and Fat-Soluble Vitamins BIOCHEMISTRY Vildan Betül YENİGÜN	SELF-STUDY	SELF-STUDY	
13:30 14:15	Physical and Biophysical Properties of Lasers - Lasers in Medicine BIOPHYSICS Denizhan KARIŞ	SELF-STUDY	ELECTIVE (ONLINE/IN-PERSON)	SELF-STUDY	SELF-STUDY
14.30 15:15	Imaging with Visible Light (Endoscopy) BIOPHYSICS Denizhan KARIŞ	SELF-STUDY	ELECTIVE (ONLINE/IN-PERSON)	SELF-STUDY	SELF-STUDY
15.30 16:15	Physical and Biophysical Properties of Ultrasound BIOPHYSICS Denizhan KARIŞ	SELF-STUDY	Medical English	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS I

16.30 17:15	Physical and Biophysical Properties of Ultrasound BIOPHYSICS Denizhan KARIŞ	SELF-STUDY	Medical English	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS I
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1C COMMITTEE (MED121 Cell, Genetics and Life Cycle)

COMMITTEE CHAIR: Assist. Prof. Dr. Gülçin ÖZKARA

Course Title	T	P	Total	ECTS
Faculty Members				
Physiology Assoc. Prof. Dr. Savaş ÜSTÜNOVA	13	2	15	
Histology Prof. Dr. Mukaddes EŞREFOĞLU	26	4	30	
Biophysics Assoc. Prof. Dr. Denizhan KARIŞ	9		9	
Biochemistry Assist. Prof. Dr. Vildan Betül YENİGÜN Assist. Prof. Dr. Ufuk SARIKAYA Res. Assist. Fatmanur KÖKTAŞOĞLU	7 14 27	4	52	
Microbiology Prof. Dr. Mehmet Ziya DOYMAZ	9		9	
Medical Biology Assist. Prof. Dr. Gülçin ÖZKARA	34		34	
Family Medicine Prof. Dr. Aclan ÖZDER	2		2	
TOTAL	141	10	151	9
Basic Medical Skills (Not Included in the Committee Examination)	-	18		

ECTS: European Credit Transfer and Accumulation System

P: Practical

T: Theoretical

1C COMMITTEE (Cell, Genetics and Life Cycle) Formative and Summative Exam Question Distribution

Learning Objectives	Course Title Faculty Member	FORMATI VE EXAM	SUMMATIVE EXAMI		
			T	P	Total
LO2	Physiology Assoc. Prof. Dr. Savaş ÜSTÜNOVA	5	9	2	11
LO1, LO2, LO11,	Histology Prof. Dr. Mukaddes EŞREFOĞLU	5	18	2	20
LO3,	Biophysics Assoc. Prof. Dr. Denizhan KARIŞ	4	6		6
LO4, LO13	Biochemistry Assist. Prof. Dr.Vildan Betül YENİGÜN Assist. Prof. Dr. Ufuk SARIKAYA Res. Assist. Fatmanur KÖKTAŞOĞLU	3 5 ----	4 20 9		33
LO5, LO6, LO7, LO8, LO9, LO10	Medical Biology Assist. Prof. Dr. Gülçin ÖZKARA	5	23		23
LO14	Microbiology Prof. Dr. Mehmet Ziya DOYMAZ	3	6		6
LO7	Family Medicine Prof. Dr. Aclan ÖZDER	--	1		1
		30	96	4	100

P: Practical
T: Theoretical

COMMITTEE SCORE DISTRIBUTION	FORMATIVE	SUMMATIVE
	%20	%80
Students who do not meet the attendance requirements for Clinical Reflection, Panel, and Social Responsibility Project, or who have not submitted their feedback reports for this committee, will be disqualified from taking the summative exam.		

1. YEAR 3. COURSE COMMITTEE (MED116- 1C Committee)

CELL, GENETICS AND LIFE CYCLE

AIM

- Understand the characteristics of the cell, the smallest unit of life and the basic structural unit of living organisms,
- Explain cellular events and molecular mechanisms underlying cellular function, in light of current developments and in a manner that provides a foundation for clinical studies.
- Explain the concepts and functions of genes, chromosomes, DNA, and RNA and the mechanisms involved in inheritance and embryonic development;
- Develop knowledge, attitudes, and skills to relate abnormalities in chromosomes and the flow of genetic information to hereditary diseases.

LEARNING OBJECTIVES

At the end of this committee, students will be able to:

1. Understand the concept and general characteristics of the cell in all dimensions and the purposes of observing and studying cells using microscopy and other methods;
2. Explain the structure and functions of cellular organelles and membranes;
3. Define membrane potential as a physical property of the cell and understand how factors involved in membrane potential changes affect cellular functions;
4. Define and classify enzymes and explain in detail the stages of ATP production and glycolysis, including allosteric regulation;
5. Understand in detail chromosome structure and organization and cell division (meiosis and mitosis), an essential cellular process;
6. Explain cellular aging and cell death and investigate the molecular origins of diseases resulting from impaired cellular function;
7. Define genetic concepts underlying cellular function, understand methods of constructing pedigrees, and recognize when referral for genetic counseling is appropriate;
8. Explain DNA structure, function, replication, organization in prokaryotes and eukaryotes, and epigenetic mechanisms that alter gene expression;
9. Understand the basic mechanisms of inheritance in light of Mendelian and non-Mendelian inheritance patterns;
10. Investigate DNA damage and repair mechanisms, mutations and mutagens, genetic causes of impaired cellular function, and the general characteristics and molecular origins of genetic and hereditary diseases, and explain fundamental concepts in cancer biology and genetics;
11. Explain the molecular mechanisms that develop during the embryonic period beginning with fertilization and the development of tissues and organs from cells;
12. Describe the history of genetics and current and potential future research, understand genetic organization in the context of the Human Genome Project, and define cytogenetic and molecular genetic methods used for diagnosing genetic diseases;
13. Explain carbohydrate, lipid, and protein metabolism in detail;
14. Perform basic skills including microscopy, venipuncture, drawing blood from a model arm using a syringe, measuring blood glucose with a glucometer, and administering subcutaneous injections.

2026–2027 Academic Year Year 1 Course Schedule

15. Administer first aid in a simulated environment.
16. Perform injection techniques in simulated environment

Contribution of Course Learning Outcomes to Program Learning Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
LO1	1	3	1	4	1	4	1	1
LO2	1	2	1	4	1	4	1	1
LO3	1	2	1	3	1	5	1	1
LO4	1	2	1	3	1	4	1	1
LO5	1	3	1	3	1	4	1	2
LO6	1	2	2	3	2	4	2	2
LO7	4	3	3	3	2	3	4	3
LO8	1	2	2	5	2	4	2	2
LO9	1	3	2	4	2	4	2	2
LO10	1	4	3	4	3	5	3	2
LO11	1	3	1	4	2	5	2	2
LO12	1	2	3	4	4	3	3	2
LO13	1	2	1	4	1	4	1	1
LO14	1	2	2	5	2	4	2	3

LO: Learning Outcomes, **PO:** Program Outcomes

1C COMMITTEE (Cell, Genetics and Life Cycle)					
	23 November Monday	24 November Tuesday	25 November Wednesday	26 November Thursday	27 November Friday
08:30 09:15	WHITE COAT CEREMONY	Types of Microscopes and Principles of Proper Use of Microscopes HISTOLOGY Mukaddes EŞREFOĞLU	Plasma Membrane HISTOLOGY Mukaddes EŞREFOĞLU	DNA Structure and Function MEDICAL BIOLOGY Gülçin ÖZKARA	Social Responsibility Project Presentation (World Diabetes Day) Ertuğrul TAŞAN
09:30 10:15		Types of Microscopes and Principles of Proper Use of Microscopes HISTOLOGY Mukaddes EŞREFOĞLU	Plasma Membrane HISTOLOGY Mukaddes EŞREFOĞLU	Molecular Organization of Genes MEDICAL BIOLOGY Gülçin ÖZKARA	Structure and Function of the Cell PHYSIOLOGY Savaş ÜSTÜNOVA
10:30 11:15		General Characteristics of Cells HISTOLOGY Mukaddes EŞREFOĞLU	Cell-Surface and Intracellular Receptors and Signal Transduction MEDICAL BIOLOGY (İNG) Gülçin ÖZKARA	Body Fluid Compartments PHYSIOLOGY Savaş ÜSTÜNOVA	Structure and Function of the Cell PHYSIOLOGY Savaş ÜSTÜNOVA
11:30 12:15		Introduction to Medical Biology and Cell Organization MEDICAL BIOLOGY Gülçin ÖZKARA	Intercellular Signal Transduction Mechanisms MEDICAL BIOLOGY (İNG) Gülçin ÖZKARA	Body Fluid Compartments PHYSIOLOGY Savaş ÜSTÜNOVA	Structure and Function of the Cell PHYSIOLOGY Savaş ÜSTÜNOVA
13:30 14:15		Cell Membrane and Endomembrane System MEDICAL BIOLOGY (İNG) Gülçin ÖZKARA	ELECTIVE (ONLINE/IN-PERSON)	LAB2x2: Microscope use and Identification cell types HISTOLOGY	SELF-STUDY
14.30 15:15		Protein Trafficking in the Cell: Exocytosis, Endocytosis, and Receptor-Mediated Endocytosis MEDICAL BIOLOGY Gülçin ÖZKARA	ELECTIVE (ONLINE/IN-PERSON)	LAB2x2: Microscope use and Identification cell types HISTOLOGY	SELF-STUDY
15.30 16:15		Introduction to Enzymology BIOCHEMISTRY Ufuk SARIKAYA	Medical English I MIDTERM EXAM	LAB2x2: Microscope use and Identification cell types HISTOLOGY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS I

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16.30 17:15		Introduction to Enzymology BIOCHEMISTRY Ufuk SARIKAYA	Medical English I MIDTERM EXAM	LAB2x2: Microscope use and Identification cell types HISTOLOGY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS I
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1C COMMITTEE (Cell, Genetics and Life Cycle)

	30 November Monday	1 December Tuesday	2 December Wednesday	3 December Thursday	4 December Friday
08:30 09:15	Membranous Organelles HISTOLOGY Mukaddes EŞREFOĞLU	Identification and Classification of Enzymes BIOCHEMISTRY Ufuk SARIKAYA	Enzyme Kinetics BIOCHEMISTRY Ufuk SARIKAYA	Classification and Structural Characteristics of Viruses MICROBIOLOGY Mehmet Ziya DOYMAZ	Nonmembranous Organelles, Inclusions HISTOLOGY Mukaddes EŞREFOĞLU
09:30 10:15	Membranous Organelles HISTOLOGY Mukaddes EŞREFOĞLU	Identification and Classification of Enzymes BIOCHEMISTRY Ufuk SARIKAYA	Enzyme Kinetics BIOCHEMISTRY Ufuk SARIKAYA	Classification and Structural Characteristics of Viruses MICROBIOLOGY Mehmet Ziya DOYMAZ	Nonmembranous Organelles, Inclusions HISTOLOGY Mukaddes EŞREFOĞLU
10:30 11:15	Membranous Organelles HISTOLOGY Mukaddes EŞREFOĞLU	Classification and Structural Characteristics of Bacteria MICROBIOLOGY Mehmet Ziya DOYMAZ	Membrane Potential PHYSIOLOGY Savaş ÜSTÜNOVA	ATP Cycle and Bioenergetics BIOCHEMISTRY Ufuk SARIKAYA	DNA Replication MEDICAL BIOLOGY Gülçin ÖZKARA
11:30 12:15	Introduction to Microbiology MICROBIOLOGY Mehmet Ziya DOYMAZ	Classification and Structural Characteristics of Bacteria MICROBIOLOGY Mehmet Ziya DOYMAZ	Ion Channels and Action Potential PHYSIOLOGY Savaş ÜSTÜNOVA	ATP Cycle and Bioenergetics BIOCHEMISTRY Ufuk SARIKAYA	DNA Replication MEDICAL BIOLOGY Gülçin ÖZKARA
13:30 14:15	Basics of Cell Biophysics and Structure of the Cell Membrane BIOPHYSICS Denizhan KARIŞ	Transport Across the Cell Membrane PHYSIOLOGY Savaş ÜSTÜNOVA	ELECTIVE (ONLINE/IN-PERSON)	Passive Transport, Resting Membrane Potential, and Ionic Balance BIOPHYSICS Denizhan KARIŞ	SELF-STUDY
14.30 15:15	Ion Channels and Aquaporins Involved in Excitability: Structure, Function, and Importance BIOPHYSICS Denizhan KARIŞ	Transport Across the Cell Membrane PHYSIOLOGY Savaş ÜSTÜNOVA	ELECTIVE (ONLINE/IN-PERSON)	Passive Transport, Resting Membrane Potential, and Ionic Balance BIOPHYSICS Denizhan KARIŞ	SELF-STUDY

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15.30 16:15	Ion Channels and Aquaporins Involved in Excitability: Structure, Function, and Importance BIOPHYSICS Denizhan KARIŞ	MEETING WITH THE ACADEMIC ADVISOR	Medical English	Action Potentials and Ionic Balance in Excitable Cells BIOPHYSICS Denizhan KARIŞ	TATÜRK'S PRINCIPLES AND REVOLUTIONS I
16.30 17:15	SELF-STUDY	SELF-STUDY	Medical English	Action Potentials and Ionic Balance in Excitable Cells BIOPHYSICS Denizhan KARIŞ	ATATÜRK'S PRINCIPLES AND REVOLUTIONS I

1C COMMITTEE (Cell, Genetics and Life Cycle)

	7 December Monday	8 December Tuesday	9 December Wednesday	10 December Thursday	11 December Friday
08:30 09:15	Social Responsibility Project Presentation (World AIDS Day) Gülay OKAY	Nucleus HISTOLOGY Mukaddes EŞREFOĞLU	Transcription MEDICAL BIOLOGY Gülçin ÖZKARA	Cellular Communication PHYSIOLOGY Savaş ÜSTÜNOVA	TCA Cycle and Its Regulation BIOCHEMISTRY Ufuk SARIKAYA
09:30 10:15	STUDENT CLUB ACTIVITIES	Glycolysis BIOCHEMISTRY Vildan Betül YENİGÜN	Transcription MEDICAL BIOLOGY Gülçin ÖZKARA	Cellular Communication PHYSIOLOGY Savaş ÜSTÜNOVA	TCA Cycle and Its Regulation BIOCHEMISTRY Ufuk SARIKAYA
10:30 11:15	SELF-STUDY	Glycolysis BIOCHEMISTRY Vildan Betül YENİGÜN	Ion Channels and Action Potential PHYSIOLOGY Savaş ÜSTÜNOVA	Glycolysis and Its Allosteric Regulation BIOCHEMISTRY Vildan Betül YENİGÜN	Translation MEDICAL BIOLOGY Gülçin ÖZKARA
11:30 12:15	SELF-STUDY	Alternative Pathways of Glycolysis BIOCHEMISTRY Vildan Betül YENİGÜN	Cellular Communication PHYSIOLOGY Savaş ÜSTÜNOVA	Glycolysis and Its Allosteric Regulation BIOCHEMISTRY Vildan Betül YENİGÜN	Translation MEDICAL BIOLOGY Gülçin ÖZKARA
13:30 14:15	SELF-STUDY	LAB 1×4: Determination of Enzyme Activity Using Kinetic Methods BIOCHEMISTRY	ELECTIVE (ONLINE/IN-PERSON)	Bacterial Physiology and Genetics MİKROBİYOLOJİ Mehmet DOYMAZ	SELF-STUDY
14.30 15:15	SELF-STUDY	LAB 1×4: Determination of Enzyme Activity Using Kinetic Methods BIOCHEMISTRY	ELECTIVE (ONLINE/IN-PERSON)	Bacterial Physiology and Genetics MİKROBİYOLOJİ Mehmet DOYMAZ	Social Responsibility Project Presentation Verem Eğitimi ve Farkındalık Haftası) Yasemin AKKOYUNLU

2026–2027 Academic Year Year 1 Course Schedule

15.30 16:15	SELF-STUDY	LAB 1×4: Determination of Enzyme Activity Using Kinetic Methods BIOCHEMISTRY	Medical English I	Active Membrane Conductance and Electrical Equivalent Circuit of the Cell Membrane BIOPHYSICS Denizhan KARIŞ	ATATÜRK'S PRINCIPLES AND REVOLUTIONS I
16.30 17:15	SELF-STUDY	LAB 1×4: Determination of Enzyme Activity Using Kinetic Methods BIOCHEMISTRY	Medical English I	Compound Action Potential BIOPHYSICS Denizhan KARIŞ	ATATÜRK'S PRINCIPLES AND REVOLUTIONS I

1C COMMITTEE (Cell, Genetics and Life Cycle)

	14 December Monday	15 December Tuesday	16 December Wednesday	17 December Thursday	18 December Friday
08:30 09:15	SELF-STUDY	Molecular Regulation of Gene Expression MEDICAL BIOLOGY Gülçin ÖZKARA	Chromosome Structure, Centromeres, and Telomeres MEDICAL BIOLOGY Gülçin ÖZKARA	Gluconeogenesis BIOCHEMISTRY Ufuk SARIKAYA	Gametogenesis HISTOLOGY Mukaddes EŞREFOĞLU
09:30 10:15	SELF-STUDY	Molecular Regulation of Gene Expression MEDICAL BIOLOGY Gülçin ÖZKARA	Cell Division and Its Regulation MEDICAL BIOLOGY Gülçin ÖZKARA	Gluconeogenesis BIOCHEMISTRY Ufuk SARIKAYA	Gametogenesis HISTOLOGY Mukaddes EŞREFOĞLU
10:30 11:15	SELF-STUDY	Glycogen Metabolism BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	Mitotic Division HISTOLOGY Mukaddes EŞREFOĞLU	Electron Transport Chain BIOCHEMISTRY Ufuk SARIKAYA	SELF-STUDY
11:30 12:15	SELF-STUDY	Glycogen Metabolism BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	Meiotic Division HISTOLOGY Mukaddes EŞREFOĞLU	Electron Transport Chain BIOCHEMISTRY Ufuk SARIKAYA	SELF-STUDY
	FORMATIVE EXAM				
13:30 14:15	Pentose Phosphate Pathway BIOCHEMISTRY Ufuk SARIKAYA	theoretical: IM, SC, and ID Injection and Blood Glucose Measurement with a Glucometer BASIC MEDICAL SKILLS HÜLYA AKAN	ELECTIVE (ONLINE/IN-PERSON)	LAB2x2: Osmotic Fragility PHYSIOLOGY LAB2x2. Cell Division HISTOLOGY	LAB 1×4: Methods for Glucose Determination BIOCHEMISTRY
	Pentose Phosphate Pathway BIOCHEMISTRY	Practical: IM, SC, ID injection ve	ELECTIVE (ONLINE/IN-PERSON)	LAB2x2: Osmotic Fragility PHYSIOLOGY	LAB 1×4: Methods for Glucose Determination

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14.30 15:15	Ufuk SARIKAYA	glukometre ile kan şekeri measurement BASIC MEDICAL SKILLS HÜLYA AKAN		LAB2x2. Cell Division HISTOLOGY	BIOCHEMISTRY
15.30 16:15	Measurement and Evaluation of Blood Glucose Using a Glucometer BIOCHEMISTRY Ufuk SARIKAYA	Practical: IM, SC, ID injection ve glukometre ile kan şekeri measurement BASIC MEDICAL SKILLS HÜLYA AKAN	Medical English I	LAB2x2: Osmotic Fragility FİZYOLOJİ LAB2x2. Cell Division HISTOLOGY	LAB 1×4: Methods for Glucose Determination BIOCHEMISTRY
16.30 17:15	SELF-STUDY	SELF-STUDY	Medical English I	LAB2x2: Osmotic Fragility PHYSIOLOGY LAB2x2. Cell Division HISTOLOGY	LAB 1×4: Methods for Glucose Determination BIOCHEMISTRY
1C COMMITTEE (Cell, Genetics and Life Cycle)					
	21 December Monday	22 December Tuesday	23 December Wednesday	24 December Thursday	25 December Friday
08:30 09:15	Ovulation, Fertilization, and Implantation HISTOLOGY Mukaddes EŞREFOĞLU	Fatty Acid Biosynthesis BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	Cancer Genetics and Molecular Biology MEDICAL BIOLOGY Gülçin ÖZKARA	Alcohol Metabolism BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	Conversion of Amino Acids into Specific Products BIOCHEMISTRY Ufuk SARIKAYA
09:30 10:15	Ovulation, Fertilization, and Implantation HISTOLOGY Mukaddes EŞREFOĞLU	Fatty Acid Biosynthesis BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	Stem Cell Biology MEDICAL BIOLOGY Gülçin ÖZKARA	Alcohol Metabolism BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	Conversion of Amino Acids into Specific Products BIOCHEMISTRY Ufuk SARIKAYA
10:30 11:15	Ovulation, Fertilization, and Implantation HISTOLOGY Mukaddes EŞREFOĞLU	Classification and Structural Characteristics of Mycobacteria MICROBIOLOGY Mehmet Ziya DOYMAZ	Amino Acid Metabolism BIOCHEMISTRY Ufuk SARIKAYA	SELF-STUDY	Structural and Numerical Chromosomal Abnormalities MEDICAL BIOLOGY Gülçin ÖZKARA
11:30 12:15	Fatty Acid Oxidation BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	Classification and Structural Characteristics of Fungi MICROBIOLOGY Mehmet Ziya DOYMAZ	Amino Acid Metabolism BIOCHEMISTRY Ufuk SARIKAYA	SELF-STUDY	Structural and Numerical Chromosomal Abnormalities MEDICAL BIOLOGY Gülçin ÖZKARA
13:30 14:15	Fatty Acid Oxidation BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	Protein Biosynthesis BIOCHEMISTRY Ufuk SARIKAYA	ELECTIVE (ONLINE/IN-PERSON)	SELF-STUDY	SELF-STUDY

2026–2027 Academic Year Year 1 Course Schedule

14.30 15:15	SELF-STUDY	Protein Biosynthesis BIOCHEMISTRY Ufuk SARIKAYA	ELECTIVE (ONLINE/IN-PERSON)	SELF-STUDY	Amino Acid Biosynthesis BIOCHEMISTRY Ufuk SARIKAYA
15.30 16:15	SELF-STUDY	Cellular Senescence and Death MEDICAL BIOLOGY Gülçin ÖZKARA	Medical English I	SELF-STUDY	Amino Acid Biosynthesis BIOCHEMISTRY Ufuk SARIKAYA
16.30 17:15	SELF-STUDY	Cellular Senescence and Death MEDICAL BIOLOGY Gülçin ÖZKARA	Medical English I	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS I
1C COMMITTEE (Cell, Genetics and Life Cycle)					
	28 December Monday	29 December Tuesday	30 December Wednesday	31 December Thursday	1 January Friday
08:30 09:15	Post-Translational Modifications BIOCHEMISTRY Ufuk SARIKAYA	Kolesterol Metabolizması BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	Embrionic Membranes HISTOLOGY Mukaddes EŞREFOĞLU	Embrionic Period HISTOLOGY Mukaddes EŞREFOĞLU	NEW YEAR HOLIDAY
09:30 10:15	Post-Translational Modifications BIOCHEMISTRY Ufuk SARIKAYA	Kolesterol Metabolizması BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	Embrionic Period HISTOLOGY Mukaddes EŞREFOĞLU	Embrionic Period HISTOLOGY Mukaddes EŞREFOĞLU	
10:30 11:15	Mendelian Genetics and Modes of Inheritance MEDICAL BIOLOGY Gülçin ÖZKARA	Bilaminar Germ Disc HISTOLOGY Mukaddes EŞREFOĞLU	Human Genome Project MEDICAL BIOLOGY Gülçin ÖZKARA	Lipoprotein Metabolism BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	
11:30 12:15	Mendelian Genetics and Modes of Inheritance MEDICAL BIOLOGY Gülçin ÖZKARA	Trilaminar Germ Disc HISTOLOGY Mukaddes EŞREFOĞLU	Population Genetics MEDICAL BIOLOGY Gülçin ÖZKARA	Lipoprotein Metabolism BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	
13:30 14:15	Mendelian Genetics and Modes of InheritanceMEDICAL BIOLOGY Gülçin ÖZKARA	Mendelian Genetics and Modes of InheritanceMEDICAL BIOLOGY Gülçin ÖZKARA	ELECTIVE (ONLINE/IN-PERSON)	SELF-STUDY	

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14.30 15:15	Nucleotide Metabolism BIOCHEMISTRY Vildan Betül YENİGÜN	Mutations and Mutagens MEDICAL BIOLOGY Gülçin ÖZKARA	ELECTIVE (ONLINE/IN-PERSON)	SELF-STUDY	
15.30 16:15	Nucleotide Metabolism BIOCHEMISTRY Vildan Betül YENİGÜN	PANEL Basic Life Support Bahadır Taşlıdere	Medical English I	SELF-STUDY	
16.30 17:15	SELF-STUDY	PANEL Basic Life Support Bahadır Taşlıdere	Medical English I	SELF-STUDY	

1C COMMITTEE (Cell, Genetics and Life Cycle)

	4 January Monday	5 January Tuesday	6 January Wednesday	7 January Thursday	8 January Friday
08:30 09:15	Congenital Abnormalities HISTOLOGY Mukaddes EŞREFOĞLU	Triglyceride, Phospholipid, and Glycolipid Metabolism BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	SELF-STUDY	SELF-STUDY	EXAM FEEDBACK WILL BE PROVIDED 15 MINUTES AFTER THE EXAM 1 C COMMITTEE EXAM
09:30 10:15	Congenital Abnormalities HISTOLOGY Mukaddes EŞREFOĞLU	Triglyceride, Phospholipid, and Glycolipid Metabolism BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	SELF-STUDY	SELF-STUDY	
10:30 11:15	DNA Damage and Repair Mechanisms MEDICAL BIOLOGY Gülçin ÖZKARA	Recombinant DNA Technologies MEDICAL BIOLOGY Gülçin ÖZKARA	SELF-STUDY	SELF-STUDY	
11:30 12:15	Epigenetics and Epigenomics MEDICAL BIOLOGY Gülçin ÖZKARA	Molecular Methods in Diagnosis MEDICAL BIOLOGY Gülçin ÖZKARA	SELF-STUDY	SELF-STUDY	

2026–2027 Academic Year Year 1 Course Schedule

13:30 14:15	CLINICAL REFLECTION Case-Based Approach to Common Congenital Diseases in Childhood Ufuk ERENBERK (GROUP 1)	Ability to Construct a Family Pedigree and Refer for Genetic Counseling When Necessary FAMILY MEDICINE ACLAN ÖZDER	ELECTIVE (ONLINE/IN-PERSON)	SELF-STUDY	SELF-STUDY
14:30 15:15	CLINICAL REFLECTION Case-Based Approach to Common Metabolic Diseases in Childhood PEDIATRICS Yaşar CESUR (GROUP 2)	Ability to Construct a Family Pedigree and Refer for Genetic Counseling When Necessary FAMILY MEDICINE ACLAN ÖZDER	ELECTIVE (ONLINE/IN-PERSON)	SELF-STUDY	SELF-STUDY
15:30 16:15	CLINICAL REFLECTION Chromosomal Diseases (Common) MEDICAL GENETICS PEDIATRICS Bülent Uyanık (GROUP 3)	SELF-STUDY	Medical English	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS I
16:30 17:15	CLINICAL REFLECTION Common Chromosomal Anomalies in Pediatrics PEDIATRICS Bülent Uyanık (GROUP 4)	SELF-STUDY	Medical English	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS I

SPRING SEMESTER FINAL EXAM QUESTION DISTRIBUTION

2A COMMITTEE (MED122 Integrative Structure)

Course Title Faculty Members	Total Theoretical Lecture Hours	FINAL EXAM Total Number of Questions
Anatomy Assist. Prof. Dr. Songül ÇUĞLAN	93	39
Physiology Assoc. Prof. Dr. Savaş ÜSTÜNOVA Assist. Prof. Dr. Zülal KAPTAN Assist. Prof. Dr. Caner ÇAĞLAR	29 12 7	12 5 3
Histology Prof. Dr. Mukaddes EŞREFOĞLU	38	16
Biophysics Assist. Prof. Dr. Denizhan KARIŞ	23	10
Biochemistry Res. Assist. Dr. Fatmanur KÖKTAŞOĞLU	10	5
Medical Biology Assist. Prof. Dr. Gülçin ÖZKARA	1	1
Microbiology Prof. Dr. Mehmet Ziya DOYMAZ	2	1
Psychiatry Assist. Prof. Dr. Zeliha DÖNMEZ Assist. Prof. Dr. Özge SELÇUKOĞLU KİLİMCİ	3 3	1 1
Evidence-based medicine Prof. Dr. Semra ÖZÇELİK Assist. Prof. Dr. Duygu AYDIN HAKLI	3 6	1 2
John Hopkins Dr. Khalil Ghanem Dr. Ahmet Höke Dr. Allan Gelber	2 2 2	1 1 1
TOTAL	236	100

of the Human Body – Musculoskeletal System)

COMMITTEE CHAIR: Assist. Prof. Dr. Songül ÇUĞLAN

Course Title Faculty Member	T	P	Total	ECTS
Anatomy Assist. Prof. Dr. Songül ÇUĞLAN	58	31	89	
Physiology Assoc. Prof. Dr. Savaş ÜSTÜNOVA	14	2	16	
Histology Prof. Dr. Mukaddes EŞREFOĞLU	22	12	32	

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Biophysics Assist. Prof. Dr. Denizhan KARIŞ	13		13	
Biochemistry Res. Assist. Dr. Fatmanur KÖKTAŞOĞLU	4		4	
Microbiology Prof. Dr. Mehmet Ziya DOYMAZ	2		2	
Medical Biology Assist. Prof. Dr. Gülçin ÖZKARA	1		1	
Johns Hopkins Khalil GHANEM	2		2	
TOTAL	116	45	161	11
Basic Medical Skills (Not Included in the Committee Examination)	--	18	18	

ECTS: European Credit Transfer and Accumulation System

P: Practical

T: Theoretical

2A COMMITTEE (Integrative Structure of the Human Body – Musculoskeletal System) Formative and Summative Exam Question Distribution

Learning Objectives	Course Title Faculty Member	FORMATIVE EXAMI	SUMMATIVE EXAMI		
			T	P	Total
LO1, LO9, LO10, LO12	Anatomy Assist. Prof. Dr. Songül ÇUĞLAN	13	38	16	54
LO8, LO11, LO13	Physiology Assoc. Prof. Dr. Savaş ÜSTÜNOVA	3	10	1	11
LO2, LO6, LO7, LO9, LO10, LO11	Histology Prof. Dr. Mukaddes EŞREFOĞLU	8	14	6	20

L014, L015,	Biophysics Assist. Prof. Dr. Denizhan KARIŞ	4	9		9
L03	Biochemistry Res. Assist. Dr. Fatmanur KÖKTAŞOĞLU	1	3		3
L05	Microbiology Prof. Dr. Mehmet Z. DOYMAZ	1	1		1
L04	Medical Biology Assist. Prof. Dr. Gülçin ÖZKARA	---	1		1
	JOHNS HOPKINS Khalil GHANEM	---	1		1
TOTAL		30	77	23	100

P: Practical
T: Theoretical

COMMITTEE SCORE DISTRIBUTION	FORMATIVE	SUMMATIVE
	%20	%80

1. YEAR 4. COURSE COMMITTEE (MED 117- 2A Committee)

INTEGRATIVE STRUCTURE OF THE HUMAN BODY, MUSCULOSKELETAL SYSTEM

AIM

- Learn the anatomical, histological, and physiological characteristics of structures comprising the human body;
- Learn the systems comprising the human body through relevant disciplines and fundamental concepts and definitions;
- Understand the normal structure and functional characteristics of the skin and its relationships with other systems, together with clinical information on skin-related pathological disorders;
- Learn the anatomical and microscopic structure, localization, and tissue- and cellular-level development of locomotor structures such as bone, joints, and muscles, as well as the dynamics of the musculoskeletal system;
- Learn the localization of nerves and vessels;

- Develop knowledge, skills, and attitudes regarding the general principles of musculoskeletal system function and its physiological characteristics.

LEARNING OBJECTIVES

At the end of this committee, students will be able to:

1. Explain the general anatomical structure of the human body;
 2. Explain the basic structures of the cells, tissues, organs, and systems of the human body;
 3. Identify the biochemical molecules and reactions in these structures;
 4. Explain the functions of structures comprising the human body;
 5. Describe the general characteristics of normal and pathogenic microbiota;
 6. Explain the structure and functions of the skin;
 7. Identify disorders that may occur in the skin;
 8. Explain the functions of the musculoskeletal system and its disorders;
 9. Explain the anatomical and microscopic structure of bone, joints, muscles, and connective tissues;
 10. Describe the anatomical and microscopic structure, general functional organization, and operating principles of peripheral nerves and vascular tissues;
 11. Explain the principles of muscle tissue function;
 12. Describe the general functional organization of peripheral nervous tissue;
 13. Explain the principles of peripheral nervous tissue function;
 14. Explain the biomechanics of muscles, bones, and joints;
 15. Perform skills including physical examination of the lumbar spine, application of elastic bandages to the wrist and forearm, musculoskeletal x-ray assessment, and intramuscular injection using models.
 16. Develop skills in critical thinking, teamwork, information retrieval, and other competencies acquired through problem-based learning sessions;
 17. Develop skills in preparing and delivering effective presentations;
- Explains basic communication techniques and communication mistakes
 1. Explains the basic components of patient-physician communication and history taking

Contribution of Course Learning Outcomes to Program Learning Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
LO1	1	1	1	4	1	5	2	1
LO2	1	1	1	4	1	5	2	1
LO3	1	1	1	4	1	5	2	1
LO4	1	1	1	4	1	5	2	1
LO5	3	1	1	5	1	5	2	5
LO6	3	1	1	5	1	5	2	1
LO7	3	1	1	5	1	5	2	3
LO8	3	1	1	5	1	5	2	2
LO9	1	1	1	5	1	5	1	1

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LO10	1	1	1	5	1	5	1	1
LO11	1	1	1	5	1	5	1	1
LO12	1	1	1	5	1	5	1	1
LO13	1	1	1	5	1	5	1	1
LO14	3	1	1	4	1	5	2	1
LO15	5	5	5	5	3	3	5	5
LO16	3	4	5	5	5	2	5	2
LO17	3	3	3	5	5	4	5	1

LO: Learning Outcomes, **PO:** Program Outcomes

2A COMMITTEE (Integrative Structure of the Human Body – Musculoskeletal System)					
	11 January Monday	12 January Tuesday	13 January Wednesday	14 January Thursday	15 January Friday
08:30 09:15	Orientation to Anatomy ANATOMY Songül ÇUĞLAN	Introduction to Anatomy ANATOMY Songül ÇUĞLAN	General Information: Parts of the human body and systems ANATOMY Songül ÇUĞLAN	Introduction to Bones ANATOMY Songül ÇUĞLAN	Connective Tissue Cells HISTOLOGY Mukaddes EŞREFOĞLU

2026–2027 Academic Year Year 1 Course Schedule

09:30 10:15	Orientation to Anatomy ANATOMY Songül ÇUĞLAN	Introduction to Anatomy ANATOMY Songül ÇUĞLAN	General Information: Anatomical Planes and Axes ANATOMY Songül ÇUĞLAN	Upper Limb Bones: Pectoral (Shoulder) Girdle ANATOMY Songül ÇUĞLAN	Connective Tissue Cells HISTOLOGY Mukaddes EŞREFOĞLU
10:30 11:15	Introduction to Tissues HISTOLOGY Mukaddes EŞREFOĞLU	Connective Tissue Biochemistry BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	Glandular Epithelium HISTOLOGY Mukaddes EŞREFOĞLU	Arm, Forearm and hand bones ANATOMY Songül ÇUĞLAN	Connective Tissue Cells HISTOLOGY Mukaddes EŞREFOĞLU
11:30 12:15	Lining Epithelium HISTOLOGY Mukaddes EŞREFOĞLU	Connective Tissue Biochemistry BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	Glandular Epithelium HISTOLOGY Mukaddes EŞREFOĞLU	Cell Junctions and Extracellular Matrix MEDICAL BIOLOGY Gülçin ÖZKARA	Lower Limb Bones ANATOMY Songül ÇUĞLAN
13:30 14:15	Lining Epithelium HISTOLOGY Mukaddes EŞREFOĞLU	LAB2x2: Lining Epithelium HISTOLOGY	ELECTIVE (ONLINE/IN-PERSON)	LAB2x2: Glandular Epithelium HISTOLOGY LAB2x2: Upper Limb Bones ANATOMY	Lower Limb Bones ANATOMY Songül ÇUĞLAN
14:30 15:15	Introduction to Tissue Biochemistry BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	LAB2x2: Lining Epithelium HISTOLOGY	ELECTIVE (ONLINE/IN-PERSON)	LAB2x2: Glandular Epithelium HISTOLOGY LAB2x2: Upper Limb Bones ANATOMY	CLINICAL REFLECTION (Bone and Joint) RADIOLOGY Temel Fatih YILMAZ (GROUP 5)
15:30 16:15	Introduction to Tissue Biochemistry BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	LAB2x2: Lining Epithelium HISTOLOGY	Medical English	LAB2x2: Glandular Epithelium HISTOLOGY LAB2x2: Upper Limb Bones ANATOMY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS I
16:30 17:15	STUDENT CLUB ACTIVITIES	LAB2x2: Lining Epithelium HISTOLOGY	Medical English	LAB2x2: Glandular Epithelium HISTOLOGY LAB2x2: Upper Limb Bones ANATOMY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS I
2A COMMITTEE (Integrative Structure of the Human Body – Musculoskeletal System)					
	18 January Monday	19 January Tuesday	20 January Wednesday	21 January Thursday	22 January Friday
08:30 09:15	Connective Tissue Fibers HISTOLOGY Mukaddes EŞREFOĞLU	Cartilage Tissue HISTOLOGY Mukaddes EŞREFOĞLU	Bone Tissue HISTOLOGY Mukaddes EŞREFOĞLU	The Whole Skull (Cranium) ANATOMY Songül ÇUĞLAN	Vertebral Column, Ribs and Sternum ANATOMY Songül ÇUĞLAN

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09:30 10:15	Connective Tissue Types HISTOLOGY Mukaddes EŞREFOĞLU	Cartilage Tissue HISTOLOGY Mukaddes EŞREFOĞLU	Bone Tissue HISTOLOGY Mukaddes EŞREFOĞLU	The Whole Skull (Cranium) ANATOMY Songül ÇUĞLAN	Vertebral Column, Ribs and Sternum ANATOMY Songül ÇUĞLAN
10:30 11:15	The Skull Bones: Neurocranium ANATOMY Songül ÇUĞLAN	The Skull Bones: Viscerocranium ANATOMY Songül ÇUĞLAN	Ossification HISTOLOGY Mukaddes EŞREFOĞLU	Muscle Tissue HISTOLOGY Mukaddes EŞREFOĞLU	Homeostasis PHYSIOLOGY Savaş ÜSTÜNOVA
11:30 12:15	The Skull Bones: Neurocranium ANATOMY Songül ÇUĞLAN	The Skull Bones: Viscerocranium ANATOMY Songül ÇUĞLAN	SELF-STUDY	Muscle Tissue HISTOLOGY Mukaddes EŞREFOĞLU	Homeostasis PHYSIOLOGY Savaş ÜSTÜNOVA
	TURKISH LANGUAGE I FINAL EXAM			ATATÜRK'S PRINCIPLES AND REVOLUTIONS I FINAL EXAM	
13:30 14:15	LAB2x2: Connective Tissue HISTOLOGY	Structure and Biophysical Properties of Bone BIOPHYSICS Denizhan KARIŞ	ELECTIVE (ONLINE/IN-PERSON) FINAL EXAM	Muscle Tissue HISTOLOGY Mukaddes EŞREFOĞLU	LAB2x2: Cartilage Tissue HISTOLOGY
	LAB: 2x2 Lower Extremity Bones ANATOMY				LAB: 2x2 The Skull Bones ANATOMY
14.30 15:15	LAB2x2: Connective Tissue HISTOLOGY	Structure and Biophysical Properties of Bone BIOPHYSICS Denizhan KARIŞ	ELECTIVE (ONLINE/IN-PERSON) FINAL EXAM	SELF-STUDY	LAB2x2: Cartilage Tissue HISTOLOGY
	LAB: 2x2 Lower Extremity Bones ANATOMY				LAB: 2x2 The Skull Bones ANATOMY
15.30 16:15	LAB2x2: Connective Tissue HISTOLOGY	Biomechanics and Biophysics of Skeletal Muscle and Bone BIOPHYSICS Denizhan KARIŞ	Medical English I FINAL EXAM	Cartilage and Joint Biomechanics BIOPHYSICS Denizhan KARIŞ	LAB2x2: Cartilage Tissue HISTOLOGY
	LAB: 2x2 Lower Extremity Bones ANATOMY				LAB: 2x2 The Skull Bones ANATOMY
16.30 17:15	LAB2x2: Connective Tissue HISTOLOGY	Biomechanics and Biophysics of Skeletal Muscle and Bone BIOPHYSICS Denizhan KARIŞ	Medical English I FINAL EXAM	Cartilage and Joint Biomechanics BIOPHYSICS Denizhan KARIŞ	LAB2x2: Cartilage Tissue HISTOLOGY
	LAB: 2x2 Lower Extremity Bones ANATOMY				LAB: 2x2 The Skull Bones ANATOMY

	25 January Monday	26 January Tuesday	27 January Wednesday	28 January Thursday	29 January Friday
08:30 09:15	SELF-STUDY	SELF-STUDY	SELF-STUDY	SELF-STUDY	FALL SEMESTER FINAL EXAM
09:30 10:15	SELF-STUDY	SELF-STUDY	SELF-STUDY	SELF-STUDY	
10:30 11:15	SELF-STUDY	SELF-STUDY	SELF-STUDY	SELF-STUDY	
11:30 12:15	SELF-STUDY	SELF-STUDY	SELF-STUDY	SELF-STUDY	
	TURKISH LANGUAGE I RESIT EXAMINATION			ATATÜRK'S PRINCIPLES AND REVOLUTIONS I RESIT EXAMINATION	
13:30 14:15	SELF-STUDY	SELF-STUDY	ELECTIVE RESIT EXAMINATION	SELF-STUDY	
14.30 15:15	SELF-STUDY	SELF-STUDY	ELECTIVE RESIT EXAMINATION	SELF-STUDY	
15.30 16:15	SELF-STUDY	SELF-STUDY	Medical English RESIT EXAMINATION	SELF-STUDY	
16.30 17:15	SELF-STUDY	SELF-STUDY	Medical English RESIT EXAMINATION	SELF-STUDY	

2026–2027 Academic Year Year 1 Course Schedule

	1 February Monday	2 February Tuesday	3 February Wednesday	4 February Thursday	5 February Friday
08:30 09:15	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK
09:30 10:15	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK
10:30 11:15	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK
11:30 12:15	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK
13:30 14:15	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK
14.30 15:15	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK
15.30 16:15	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK
16.30 17:15	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK

2A COMMITTEE (Integrative Structure of the Human Body – Musculoskeletal System)					
	8 February Monday	9 February Tuesday	10 February Wednesday	11 February Thursday	12 February Friday
08:30 09:15	SEMESTER BREAK	SEMESTER BREAK	1A RESIT EXAMINATION (For students repeating the course or taking a failed course)	1B RESIT EXAMINATION (For students repeating the course or taking a failed course)	1C RESIT EXAMINATION (For students repeating the course or taking a failed course)
09:30 10:15	SEMESTER BREAK	SEMESTER BREAK			
10:30 11:15	SEMESTER BREAK	SEMESTER BREAK			
11:30 12:15	SEMESTER BREAK	SEMESTER BREAK			
13:30 14:15	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK
14.30 15:15	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK
15.30 16:15	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK
16.30 17:15	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK	SEMESTER BREAK

2A COMMITTEE (Integrative Structure of the Human Body – Musculoskeletal System)					
	15 February Monday	16 February Tuesday	17 February Wednesday	18 February Thursday	19 February Friday
08:30 09:15	Head and Neck Development HISTOLOGY Mukaddes EŞREFOĞLU	Joints of the Upper Limb ANATOMY Songül ÇUĞLAN	General Knowledge and Principles of Muscles ANATOMY Songül ÇUĞLAN	Back Region: Superficial Back Muscles and the Suboccipital Region ANATOMY Songül ÇUĞLAN	Posterior Shoulder Region ANATOMY Songül ÇUĞLAN
09:30 10:15	Introduction to Joints (Arthrology) ANATOMY Songül ÇUĞLAN	Joints of the Lower Limb ANATOMY Songül ÇUĞLAN	Introduction to the Peripheral Nervous System and Circulatory System ANATOMY Songül ÇUĞLAN	Deep muscles of the Back ANATOMY Songül ÇUĞLAN	Posterior Shoulder Region ANATOMY Songül ÇUĞLAN
10:30 11:15	General Features and Classification of Joints ANATOMY Songül ÇUĞLAN	Muscular System and General Organization of Skeletal Muscle PHYSIOLOGY Savaş ÜSTÜNOVA	SELF-STUDY	SELF-STUDY	Contraction Mechanism of Skeletal Muscle PHYSIOLOGY Savaş ÜSTÜNOVA
11:30 12:15	Joints of the Head, Neck, and Trunk ANATOMY Songül ÇUĞLAN	General Functional Organization of Peripheral Nerve Tissue PHYSIOLOGY Savaş ÜSTÜNOVA	SELF-STUDY	SELF-STUDY	Smooth Muscle PHYSIOLOGY Savaş ÜSTÜNOVA
13:30 14:15	Muscular System and General Organization of Skeletal Muscle PHYSIOLOGY Savaş ÜSTÜNOVA	LAB2x2: Bone Tissue, Ossification HISTOLOGY The Whole Skull (Cranium) ANATOMY	ELECTIVE (ONLINE/IN-PERSON)	Contraction Mechanism of Skeletal Muscle PHYSIOLOGY Savaş ÜSTÜNOVA	Social Responsibility Project: World No Tobacco Day Zeliha DÖNMEZ
14.30 15:15	Muscular System and General Organization of Skeletal Muscle PHYSIOLOGY Savaş ÜSTÜNOVA	LAB2x2: Bone Tissue, Ossification HISTOLOGY LAB2x2: The Whole Skull (Cranium) ANATOMY	ELECTIVE (ONLINE/IN-PERSON)	Contraction Mechanism of Skeletal Muscle PHYSIOLOGY Savaş ÜSTÜNOVA	SELF-STUDY
15.30 16:15	LAB2x1: Vertebral Column, Ribs and Sternum ANATOMY	LAB2x2: Bone Tissue, Ossification HISTOLOGY LAB2x2: The Whole Skull (Cranium) ANATOMY	Medical English	PANEL Tobacco, Tobacco Products, and Health PULMONARY MEDICINE Hamza OGUN	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II
16.30 17:15	LAB2x1: Vertebral Column, Ribs and Sternum ANATOMY	Bone Tissue, Ossification HISTOLOGY LAB2x2: The Whole Skull (Cranium) ANATOMY	Medical English	PANEL Tobacco, Tobacco Products, and Health PULMONARY MEDICINE Hamza OGUN	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II

2A COMMITTEE (Integrative Structure of the Human Body – Musculoskeletal System)					
	22 February Monday	23 February Tuesday	24 February Wednesday	25 February Thursday	26 February Friday
08:30 09:15	Anterior Shoulder Region and Mammary Gland ANATOMY Songül ÇUĞLAN	Theoretical: Basic Communication Skills	Theoretical: Basic Communication Skills	LAB 2x1: Anterior and Posterior Shoulder Region ANATOMY	SELF-STUDY
09:30 10:15	Anterior Shoulder Region and Mammary Gland ANATOMY Songül ÇUĞLAN	Axillary Fossa ANATOMY Songül ÇUĞLAN	Skin and Appendages HISTOLOGY Mukaddes EŞREFOĞLU	LAB 2x1: Anterior and Posterior Shoulder Region ANATOMY	SELF-STUDY
10:30 11:15	SELF-STUDY	Brachial Plexus ANATOMY Songül ÇUĞLAN	Skin and Appendages HISTOLOGY Mukaddes EŞREFOĞLU	Normal and Pathogenic Microbiota – Body MICROBIOLOGY Mehmet Ziya DOYMAZ	SELF-STUDY
11:30 12:15	SELF-STUDY	Brachial Plexus ANATOMY Songül ÇUĞLAN	Skin and Appendages HISTOLOGY Mukaddes EŞREFOĞLU	Normal and Pathogenic Microbiota – Body MICROBIOLOGY Mehmet Ziya DOYMAZ	SELF-STUDY
					FORMATIVE EXAM
13:30 14:15	LAB2x2: Muscle Tissue HISTOLOGY	LAB2x2: Muscle Function PHYSIOLOGY	ELECTIVE (ONLINE/IN-PERSON)	Tendon and Ligament Biophysics BIOPHYSICS Denizhan KARIŞ	SELF-STUDY
	LAB2x2: Joints ANATOMY	LAB 2x2: Superficial and Deep Back Muscles, Suboccipital Region ANATOMY			
14.30 15:15	LAB2x2: Muscle Tissue HISTOLOGY	LAB2x2: Muscle Function PHYSIOLOGY	ELECTIVE (ONLINE/IN-PERSON)	Tendon and Ligament Biophysics BIOPHYSICS Denizhan KARIŞ	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II
	LAB2x2: Joints ANATOMY	LAB 2x2: Superficial and Deep Back Muscles, Suboccipital Region ANATOMY			
15.30 16:15	LAB2x2: Muscle Tissue HISTOLOGY	LAB2x2: Muscle Function PHYSIOLOGY	Medical English	Biophysical Characteristics of Muscle Contraction BIOPHYSICS Denizhan KARIŞ	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II
	LAB2x2: Joints ANATOMY	LAB 2x2: Superficial and Deep Back Muscles, Suboccipital Region ANATOMY			
16.30 17:15	LAB2x2: Muscle Tissue HISTOLOGY	LAB2x2: Muscle Function PHYSIOLOGY	Medical English	Biophysical Characteristics of Muscle Contraction BIOPHYSICS Denizhan KARIŞ	SELF-STUDY
	LAB2x2: Joints ANATOMY	LAB 2x2: Superficial and Deep Back Muscles, Suboccipital Region ANATOMY			

2026–2027 Academic Year Year 1 Course Schedule

2A COMMITTEE (Integrative Structure of the Human Body – Musculoskeletal System)					
	1 March Monday	2 March Tuesday	3 March Wednesday	4 March Thursday	5 March Friday
08:30 09:15	Smooth Muscle PHYSIOLOGY Savaş ÜSTÜNOVA	Forearm anatomy and Cubital Fossa ANATOMY Songül ÇUĞLAN	Wrist and Hand Anatomy ANATOMY Songül ÇUĞLAN	LAB2x2: Axillary Fossa Brachial Plexus ANATOMY	LAB2x2: Anterior and Posterior Region of the Forearm ANATOMY
				LAB2x2 Skin and Appendages HISTOLOGY	
09:30 10:15	Cardiac Muscle PHYSIOLOGY Savaş ÜSTÜNOVA	Forearm anatomy and Cubital Fossa ANATOMY Songül ÇUĞLAN	Wrist and Hand Anatomy ANATOMY Songül ÇUĞLAN	LAB2x2: Axillary Fossa Brachial Plexus ANATOMY	LAB2x2: Anterior and Posterior Region of the Forearm ANATOMY
				LAB2x2 Skin and Appendages HISTOLOGY	
10:30 11:15	Anterior and Posterior Compartments of the Arm ANATOMY Songül ÇUĞLAN	Energy Sources Used in Muscle Contraction PHYSIOLOGY Savaş ÜSTÜNOVA	SELF-STUDY	LAB2x2: Axillary Fossa Brachial Plexus ANATOMY	LAB2x2: Anterior and Posterior Region of the Forearm ANATOMY
				LAB2x2 Skin and Appendages HISTOLOGY	
11:30 12:15	Anterior and Posterior Compartments of the Arm ANATOMY Songül ÇUĞLAN	Energy Sources Used in Muscle Contraction PHYSIOLOGY Savaş ÜSTÜNOVA	SELF-STUDY	LAB2x2: Axillary Fossa Brachial Plexus ANATOMY	LAB2x2: Anterior and Posterior Region of the Forearm ANATOMY
				LAB2x2 Skin and Appendages HISTOLOGY	
13:30 14:15	LAB2x2: Anterior and Posterior Shoulder Region and Mammary Gland ANATOMY	Social Responsibility Project Presentation (Dünya Böbrek Günü) Meltem GÜRSU	ELECTIVE (ONLINE/IN-PERSON)	Smooth Muscle Contraction and Rhythmic Potentials - EGG BIOPHYSICS Denizhan KARIŞ	LAB2x1: Hand Anatomy ANATOMY
14.30 15:15	LAB2x2: Anterior and Posterior Shoulder Region and Mammary Gland ANATOMY	CLINICAL REFLECTION (Kemik- Eklem) ORTOPEDİ Ahmet Can ERDEM (GRUP 6)	ELECTIVE (ONLINE/IN-PERSON)	Smooth Muscle Contraction and Rhythmic Potentials - EGG BIOPHYSICS Denizhan KARIŞ	LAB2x1: Hand Anatomy ANATOMY
15.30 16:15	LAB2x2: Anterior and Posterior Shoulder Region and Mammary Gland ANATOMY	CLINICAL REFLECTION (Kemik- Eklem) FTR Ozan Volkan YURDAKUL (GRUP 7)	Medical English	Heat Production in Muscles - Energy Sources of Contraction BIOPHYSICS Denizhan KARIŞ	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II
16.30 17:15	LAB2x2: Anterior and Posterior Shoulder Region and Mammary Gland ANATOMY	STUDENT CLUB ACTIVITIES	Medical English	MEETING WITH THE ACADEMIC ADVISOR	

2A COMMITTEE (Integrative Structure of the Human Body – Musculoskeletal System)					
	8 March Monday	9 March Tuesday	10 March Wednesday	11 March Thursday	12 March Friday
08:30 09:15	SELF-STUDY	Eid al-Fitr	Eid al-Fitr	Eid al-Fitr	SELF-STUDY
09:30 10:15	SELF-STUDY				SELF-STUDY
10:30 11:15	SELF-STUDY				SELF-STUDY
11:30 12:15	SELF-STUDY				SELF-STUDY
13:30 14:15	Eid al-Fitr Eve				SELF-STUDY
14.30 15:15					SELF-STUDY
15.30 16:15					ATATÜRK'S PRINCIPLES AND REVOLUTIONS II
16.30 17:15					ATATÜRK'S PRINCIPLES AND REVOLUTIONS II

2026–2027 Academic Year Year 1 Course Schedule

2A COMMITTEE (Integrative Structure of the Human Body – Musculoskeletal System)					
	15 March Monday	16 March Tuesday	17 March Wednesday	18 March Thursday	19 March Friday
08:30 09:15	SELF-STUDY	Anterior and Medial Regions of the Thigh ANATOMY Songül ÇUĞLAN	LAB2x2: Anterior and Medial Regions of the Thigh ANATOMY	SELF-STUDY	Head and Neck Anatomy; Facial Region and Sensory Innervation ANATOMY Songül ÇUĞLAN
09:30 10:15	Lower Limb Anatomy and Lumbosacral Plexus ANATOMY Songül ÇUĞLAN	Anterior and Medial Regions of the Thigh ANATOMY Songül ÇUĞLAN	LAB2x2: Anterior and Medial Regions of the Thigh ANATOMY	Lateral and Posterior Region of the Leg ANATOMY Songül ÇUĞLAN	Scalp and Blood Vessels of the Face ANATOMY Songül ÇUĞLAN
10:30 11:15	Gluteal Region ANATOMY Songül ÇUĞLAN	Practical: Drama Workshop	LAB2x2: Anterior and Medial Regions of the Thigh ANATOMY	Lateral and Posterior Region of the Leg ANATOMY Songül ÇUĞLAN	Facial Muscles and Muscles of Facial Expression ANATOMY Songül ÇUĞLAN
11:30 12:15	Thigh Region; Posterior and Lateral Regions of the Thigh ANATOMY Songül ÇUĞLAN	Practical: Drama Workshop	LAB2x2: Anterior and Medial Regions of the Thigh ANATOMY	Foot Region ANATOMY Songül ÇUĞLAN	SELF-STUDY
13:30 14:15	LAB2x1: Gluteal Region, Lumbosacral Plexus ANATOMY	SELF-STUDY	ELECTIVE (ONLINE/IN-PERSON)	LAB2x1: Leg Anatomy ANATOMY	LAB2x1: Foot Anatomy ANATOMY
14.30 15:15	LAB2x1: Gluteal Region, Lumbosacral Plexus ANATOMY	SELF-STUDY	ELECTIVE (ONLINE/IN-PERSON)	LAB2x1: Leg Anatomy ANATOMY	LAB2x1: Foot Anatomy ANATOMY
15.30 16:15	LAB2x1: Thigh Region; Posterior and Lateral Regions of the Thigh ANATOMY	SELF-STUDY	Medical English II	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II
16.30 17:15	LAB2x1: Thigh Region; Posterior and Lateral Regions of the Thigh ANATOMY	SELF-STUDY	Medical EnglishII	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II

2026–2027 Academic Year Year 1 Course Schedule

2A COMMITTEE (Integrative Structure of the Human Body – Musculoskeletal System)					
	22 March Monday	23 March Tuesday	24 March Wednesday	25 March Thursday	26 March Friday
08:30 09:15	SELF-STUDY	Cervical Region: Anterior and Lateral Regions of the Neck ANATOMY Songül ÇUĞLAN	SELF-STUDY	LAB2x2: Anterior, Lateral Regions of the Neck and Neck Triangles ANATOMY	LAB2x1: Root of the Neck and Cervical Plexus ANATOMY
09:30 10:15	Parotid Region and Temporal Region ANATOMY Songül ÇUĞLAN	Cervical Region: Anterior and Lateral Regions of the Neck ANATOMY Songül ÇUĞLAN	SELF-STUDY	LAB2x2: Anterior, Lateral Regions of the Neck and Neck Triangles ANATOMY	LAB2x1: Root of the Neck and Cervical Plexus ANATOMY
10:30 11:15	Infratemporal Region ANATOMY Songül ÇUĞLAN	Root of the Neck and Cervical Plexus ANATOMY Songül ÇUĞLAN	SELF-STUDY	LAB2x2: Anterior, Lateral Regions of the Neck and Neck Triangles ANATOMY	SELF-STUDY
11:30 12:15	Pterygopalatine Region ANATOMY Songül ÇUĞLAN	Social Responsibility Project Presentation (Respect for the Elderly Week) Pınar SOYSAL	SELF-STUDY	LAB2x2: Anterior, Lateral Regions of the Neck and Neck Triangles ANATOMY	SELF-STUDY
13:30 14:15	LAB2x2: Facial Anatomy and Scalp Anatomy ANATOMY	LAB2x2: Parotid Region and Temporal Region ANATOMY	ELECTIVE (ONLINE/IN-PERSON)	JOHNS HOPKINS Khalil GHANEM	SELF-STUDY
14.30 15:15	LAB2x2: Facial Anatomy and Scalp Anatomy ANATOMY	LAB2x2: Infratemporal Region Pterygopalatine Region ANATOMY	ELECTIVE (ONLINE/IN-PERSON)	JOHNS HOPKINS Khalil GHANEM	SELF-STUDY
15.30 16:15	LAB2x2: Facial Anatomy and Scalp Anatomy ANATOMY	LAB2x2: Parotid Region and Temporal Region ANATOMY	Medical English II	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II
16.30 17:15	LAB2x2: Facial Anatomy and Scalp Anatomy ANATOMY	LAB2x2: Infratemporal Region Pterygopalatine Region ANATOMY	Medical English II	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II

2A COMMITTEE (Integrative Structure of the Human Body – Musculoskeletal System)					
	29 March Monday	30 March Tuesday	31 March Wednesday	1 April Thursday	2 April Friday
08:30 09:15	HISTOLOGY LABORATORY PRATICAL EXAM	ANATOMY PRACTICAL EXAM	SELF-STUDY	SELF-STUDY	2A COMMITTEE EXAM EXAM FEEDBACK WILL BE PROVIDED, 15 MINUTES AFTER THE EXAM
09:30 10:15	HISTOLOGY LABORATORY PRATICAL EXAM	ANATOMY PRACTICAL EXAM	SELF-STUDY	SELF-STUDY	
10:30 11:15	HISTOLOGY LABORATORY PRATICAL EXAM	ANATOMY PRACTICAL EXAM	SELF-STUDY	SELF-STUDY	
11:30 12:15	HISTOLOGY LABORATORY PRATICAL EXAM	ANATOMY PRACTICAL EXAM	SELF-STUDY	SELF-STUDY	
13:30 14:15	SELF-STUDY	SELF-STUDY	ELECTIVE (ONLINE/IN-PERSON)	SELF-STUDY	SELF-STUDY
14.30 15:15	SELF-STUDY	SELF-STUDY	ELECTIVE (ONLINE/IN-PERSON)	SELF-STUDY	SELF-STUDY
15.30 16:15	SELF-STUDY	SELF-STUDY	Medical English ARA EXAM	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II
16.30 17:15	SELF-STUDY	SELF-STUDY	Medical English ARA EXAM	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II

2B COMMITTEE (MED123 Central Nervous System and Sensory Systems)

COMMITTEE CHAIR: Assist. Prof. Dr. Zülal KAPTAN

Course Title Faculty Member	T	P	Total	ECTS
ANATOMY Assist. Prof. Dr. Songül ÇUĞLAN	35	15	50	
Physiology Assoc. Prof. Dr. Savaş ÜSTÜNOVA Assist. Prof. Dr. Zülal KAPTAN Assist. Prof. Dr. Caner ÇAĞLAR	15 12 7	8	42	
Histology Prof. Dr. Mukaddes EŞREFOĞLU	16	2	18	
Psychiatry Assist. Prof. Dr. ÖzgeSELÇUKOĞLU KİLİMCİ Assist. Prof. Dr. Zeliha DÖNMEZ	3 3		6	
Biophysics Assist. Prof. Dr. Denizhan KARIŞ	10		10	
Biochemistry Research Assistant Fatmanur KÖKTAŞOĞLU	6	1	7	
Evidence-based medicine Prof. Dr. Semra ÖZÇELİK Assist. Prof. Dr. Duygu AYDIN HAKLI	3 6	-	9	
John Hopkins Dr. Ahmet Höke Dr. Allan Gelber	2 2		4	
TOTAL	121	26	147	9
Basic Medical Skills (Not Included in the Committee Examination)				

ECTS: European Credit Transfer and Accumulation System

P: Practical

T: Theoretical

2B COMMITTEE (Central Nervous System and Sensory Systems) Formative and Summative Exam Question Distribution

Learning Objectives	Course Title Faculty Member	FOR MATİF EXAM	SUMMATIVE EXAM		
			Theoretical	Practical	Total
LO2, LO3, LO6, LO9, LO12,	ANATOMY Assist. Prof. Dr. Songül ÇUĞLAN	13	25	8	33
LO4, LO5, LO7, LO8, LO11, LO13,	Physiology Assoc. Prof. Dr. Savaş ÜSTÜNOVA Assist. Prof. Dr. Zülal KAPTAN Assist. Prof. Dr. Caner ÇAĞLAR	1 5 2	11 9 5	4	29
LO1, LO10, LO14	Histology Prof. Dr. Mukaddes EŞREFOĞLU	2	11	2	13
LO16	Psychiatry Assist. Prof. Dr. ÖzgeSELÇUKOĞLU KİLİMCİ Assist. Prof. Dr. Zeliha DÖNMEZ	---	4	---	4
LO15	Biophysics Assist. Prof. Dr. Denizhan KARIŞ	2	8		8
LO5	Biochemistry Research Assistant Fatmanur KÖKTAŞOĞLU	2	5	---	5
LO13	Evidence-based medicine Prof. Dr. Semra ÖZÇELİK Assist. Prof. Dr. Duygu AYDIN HAKLI	2 1	2 4		6
	Johns Hopkins Dr. Ahmet Höke Dr. Allan Gelber	---	1 1	---	2
Total		30	86	14	100
LO17, LO18	Basic Skills			10	10

ECTS: European Credit Transfer and Accumulation System

P: Practical

T: Theoretical

COMMITTEE SCORE DISTRIBUTION	FORMATIVE	SUMMATIVE
	%20	%80
Bu komitede yer alan Clinical Reflection ve Sosyal Sorumluluk Projesi ile ilgili devamsızlığı olan ve geri bildirim raporunu teslim etmeyen öğrenciler summatif sınava alınmayacaklardır.		

1.YEAR 5. COURSE COMMITTEE (TP 118 – 2B Committee)
CENTRAL NERVOUS SYSTEM AND SENSORY SYSTEMS

AIM

- Relate the general structure and functions of the structural components and tissues of the central nervous system to overall body functions;
- Develop knowledge, skills, and attitudes regarding the structure and functions of the human central nervous system and sensory organs and their mechanisms of interaction with other systems.
- Accordingly, students will learn the anatomical structure and organization of the central nervous system,
- The functions of the central nervous and sensory systems and their roles in metabolic activities,
- Methods used to examine the central nervous system,
- And the mechanisms underlying disorders of the central nervous system.

LEARNING OBJECTIVES

At the end of this committee, students will be able to:

1. Describe the embryological development and histological structure of the central nervous system;
2. Explain the divisions of the central nervous system, the anatomical structures within them, and the relationships and anatomical associations among these structures;
3. Describe the physiological characteristics of the central nervous system, the relationships among the brain, brainstem, and spinal cord, the functions of cortical structures, and the distinguishing features of the central and peripheral nervous systems;
4. Explain ionic balance, action potentials, types of conduction, and types and functions of synapses in the central nervous system;
5. Explain neurotransmitters; somatic sensations, including touch and proprioception; pain and thermal sensations; the sensory cortex; the spinal cord and spinal reflexes; the functional mechanisms and clinical significance of reflex circuits; the biochemistry of the nervous system; the composition, functions, and analysis of cerebrospinal fluid; and the function of the blood–brain barrier;
6. Beyin sapında yerleşik yapıların özelleşmiş fonksiyonlarını, serebellumun ve bazal gangliyonların fonksiyonlarını ve beynin yüksek kortikal işlevlerini tanımlayabilme,
7. Explain learning and memory, the functions of the thalamus and limbic system, the structural and functional differences between the somatic and autonomic nervous systems, and the characteristics and functions of the autonomic nervous system;
8. Explain sleep and its stages;
9. Describe the anatomical structures of the eye;
10. Explain how images are focused on the retina, visual receptors in the retina, color vision, dark adaptation, and neural pathways emerging from the retina;
11. Describe the parts, relationships, and structures of the middle and external ear;
12. Describe the functions of the parts of the ear and the characteristics and functions of taste and olfactory receptors;
13. Measure nerve conduction velocity in humans, explain how emg and eeg are recorded, assess how recordings change under different conditions, and perform basic analysis of the recordings;
14. Perform fundoscopic examination and color-vision testing, identify changes in pupil diameter, and use an ophthalmoscope;
15. Observe and demonstrate the use of an otoscope
16. **Conducts a patient–physician interview with a simulated patient using basic communication skills**

Contribution of Course Learning Outcomes to Program Learning Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
LO1	5	1	1	4	1	5	1	3
LO2	5	1	1	4	1	5	1	3
LO3	5	1	1	4	1	5	1	3
LO4	5	1	1	4	1	5	1	3
LO5	5	1	1	4	1	5	1	3
LO6	5	1	1	4	1	5	1	3
LO7	5	1	1	4	1	5	1	3
LO8	5	1	1	4	1	5	1	3
LO9	5	1	1	4	1	5	1	3
LO10	5	1	1	4	1	5	1	3
LO11	5	1	1	4	1	5	1	3
LO12	5	1	1	4	1	5	1	3
LO13	5	3	5	4	1	5	4	5
LO14	5	3	5	4	1	5	4	5
LO15	5	3	5	4	1	5	4	5

LO: Learning Outcomes, **PLO:** Program Learning Outcomes, **PO:** Program Outcomes

2026–2027 Academic Year Year 1 Course Schedule

2B COMMITTEE (Central Nervous System and Sensory Systems)					
	5 April Monday	6 April Tuesday	7 April Wednesday	8 April Thursday	9 April Friday
08:30 09:15	Problem-Based Learning	Self-Study	Problem-Based Learning	Problem-Based Learning	PBL EXAM
09:30 10:15	Problem-Based Learning	Self-Study	Problem-Based Learning	Problem-Based Learning	
10:30 11:15	Problem-Based Learning	Self-Study	Problem-Based Learning	Problem-Based Learning	
11:30 12:15	Problem-Based Learning	Self-Study	Problem-Based Learning	Problem-Based Learning	
	TURKISH LANGUAGE II MIDTERM EXAM	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II MIDTERM EXAM			
13:30 14:15	Self-Study	Self-Study	ELECTIVE (ONLINE/IN-PERSON)	Self-Study	Self-Study
14:30 15:15	Self-Study	Self-Study	ELECTIVE (ONLINE/IN-PERSON)	Self-Study	Self-Study
15:30 16:15	Self-Study	Self-Study	Medical English II	Self-Study	Self-Study
16:30 17:15	Self-Study	Self-Study	Medical English II	Self-Study	Self-Study

2026–2027 Academic Year Year 1 Course Schedule

2B COMMITTEE (Central Nervous System and Sensory Systems)					
	12 April Monday	13 April Tuesday	14 April Wednesday	15 April Thursday	16 April Friday
08:30 09:15	Introduction to the Nervous System ANATOMY Songül ÇUĞLAN	Spinal Cord ANATOMY Songül ÇUĞLAN	SELF-STUDY	Nerve Tissue HISTOLOGY Mukaddes EŞREFOĞLU	SELF-STUDY
09:30 10:15	Divisions of the Nervous System ANATOMY Songül ÇUĞLAN	Spinal Cord ANATOMY Songül ÇUĞLAN	Cellular Organization of the Nervous System PHYSIOLOGY Züal KAPTAN	Nerve Tissue HISTOLOGY Mukaddes EŞREFOĞLU	Neurotransmitters PHYSIOLOGY Züal KAPTAN
10:30 11:15	General Structure of the Nervous System PHYSIOLOGY Züal KAPTAN	Ahmet Höke Johns Hopkins	Cellular Organization of the Nervous System PHYSIOLOGY Züal KAPTAN	Nerve Tissue HISTOLOGY Mukaddes EŞREFOĞLU	Neurotransmitters PHYSIOLOGY Züal KAPTAN
11:30 12:15	General Structure of the Nervous System PHYSIOLOGY Züal KAPTAN	Ahmet Höke Johns Hopkins	Cellular Organization of the Nervous System PHYSIOLOGY Züal KAPTAN	Scientific Journals and Databases EBM Semra ÖZÇELİK	Neurotransmitters PHYSIOLOGY Züal KAPTAN
13:30 14:15	General Structure of the Nervous System PHYSIOLOGY Züal KAPTAN	Social Responsibility Project Presentation (World Autism Awareness Day) Songül DERİN	ELECTIVE (ONLINE/IN-PERSON)	LAB2x1: Spinal Cord ANATOMY	SELF-STUDY
14.30 15:15	Definition of Science, Importance and History of EBM Applications EBM Semra ÖZÇELİK	Student Club Activities	ELECTIVE (ONLINE/IN-PERSON)	LAB2x1: Spinal Cord ANATOMY	SELF-STUDY
15.30 16:15	Definition and Sections of a Scientific Article EBM Semra ÖZÇELİK	Student Club Activities	Medical English II	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II
16.30 17:15	SELF-STUDY	SELF-STUDY	Medical English II	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II

2026–2027 Academic Year Year 1 Course Schedule

2B COMMITTEE (Central Nervous System and Sensory Systems)					
	19 April Monday	20 April Tuesday	21 April Wednesday	22 April Thursday	23 April Friday
08:30 09:15	Ascending (Afferent) Pathways ANATOMY Songül ÇUĞLAN	SELF-STUDY	Social Responsibility Project Presentation (Heart Health Week) Mahmut ULUGANYAN	Brainstem; Medulla Oblongata ANATOMY Songül ÇUĞLAN	APRIL 23 NATIONAL SOVEREIGNTY AND CHILDREN'S DAY
09:30 10:15	Ascending (Afferent) Pathways ANATOMY Songül ÇUĞLAN	SELF-STUDY	Sensory Functions of the CNS and Pain PHYSIOLOGY Savaş ÜSTÜNOVA	Pons ANATOMY Songül ÇUĞLAN	
10:30 11:15	Biochemistry of the Nervous System BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	Descending (Efferent) Pathways ANATOMY Songül ÇUĞLAN	Sensory Functions of the CNS and Pain PHYSIOLOGY Savaş ÜSTÜNOVA	Cerebrospinal Fluid (CSF) Biochemistry – BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	
11:30 12:15	Biochemistry of the Nervous System BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	Descending (Efferent) Pathways ANATOMY Songül ÇUĞLAN	Sensory Functions of the CNS and Pain PHYSIOLOGY Savaş ÜSTÜNOVA	Cerebrospinal Fluid (CSF) Biochemistry – BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	
13:30 14:15	Biophysical Mechanisms of Synaptic Transmission BIOPHYSICS Denizhan KARIŞ	Epidemiology and Fundamental Concepts EBM Duygu AYDIN HAKLI	ELECTIVE (ONLINE/IN-PERSON)	Practical: Simüle hastadan öykü alma	
14:30 15:15	Biophysical Mechanisms of Synaptic Transmission BIOPHYSICS Denizhan KARIŞ	Epidemiological Research Methods I – Qualitative Research EBM Duygu AYDIN HAKLI	ELECTIVE (ONLINE/IN-PERSON)	Practical: Simüle hastadan öykü alma	
15:30 16:15	SELF-STUDY	Epidemiological Research Methods II – Quantitative Observational Studies (Descriptive Studies) EBM Duygu AYDIN HAKLI	Medical English II	SELF-STUDY	
16:30 17:15	SELF-STUDY	SELF-STUDY	Medical English II	SELF-STUDY	

2026–2027 Academic Year Year 1 Course Schedule

2B COMMITTEE (Central Nervous System and Sensory Systems)					
	26 April Monday	27 April Tuesday	28 April Wednesday	29 April Thursday	30 April Friday
08:30 09:15	Midbrain (Mesencephalon) ANATOMY Songül ÇUĞLAN	LAB2x2: Midbrain (Mesencephalon), Pons, Medulla Oblongata ve Cerebellum ANATOMY	Cranial Nerves I-VI ANATOMY Songül ÇUĞLAN	Cranial Nerves VII – XII ANATOMY Songül ÇUĞLAN	LAB2x2: Cranial Nerves ANATOMY
09:30 10:15	Cerebellum ANATOMY Songül ÇUĞLAN	LAB2x2: Midbrain (Mesencephalon), Pons, Medulla Oblongata ve Cerebellum ANATOMY	Cranial Nerves I-VI ANATOMY Songül ÇUĞLAN	Cranial Nerves VII – XII ANATOMY Songül ÇUĞLAN	LAB2x2: Cranial Nerves ANATOMY
10:30 11:15	SELF-STUDY	LAB2x2: Midbrain (Mesencephalon), Pons, Medulla Oblongata ve Cerebellum ANATOMY	Cranial Nerves I-VI ANATOMY Songül ÇUĞLAN	Diencephalon ANATOMY Songül ÇUĞLAN	LAB2x2: Cranial Nerves ANATOMY
11:30 12:15	SELF-STUDY	LAB2x2: Midbrain (Mesencephalon), Pons, Medulla Oblongata ve Cerebellum ANATOMY	Social Responsibility Project Presentation (World Immunization Week) Ufuk ERENBERK	Diencephalon ANATOMY Songül ÇUĞLAN	LAB2x2: Cranial Nerves ANATOMY
13:30 14:15	SELF-STUDY	Epidemiological Research Methods III – Quantitative Observational Studies (Analytical Studies) EBM Duygu AYDIN HAKLI	ELECTIVE (ONLINE/IN-PERSON)	Autonomic Nervous System ANATOMY Songül ÇUĞLAN	LAB2x1: Diencephalon and Autonomic Nervous System ANATOMY
14.30 15:15	SELF-STUDY	Epidemiological Research Methods IV – Quantitative Experimental Studies EBM Duygu AYDIN HAKLI	ELECTIVE (ONLINE/IN-PERSON)	SELF-STUDY	LAB2x1: Diencephalon and Autonomic Nervous System ANATOMY
15.30 16:15	SELF-STUDY	Evidence Pyramid and Development of Clinical Guidelines EBM Duygu AYDIN HAKLI	Medical English II	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II
16.30 17:15	SELF-STUDY	SELF-STUDY	Medical English II	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II

2026–2027 Academic Year Year 1 Course Schedule

2B COMMITTEE (Central Nervous System and Sensory Systems)					
	3 May Monday	4 May Tuesday	5 May Wednesday	6 May Thursday	7 May Friday
08:30 09:15	Extrapyramidal System: Basal Nuclei ANATOMY Songül ÇUĞLAN	Telencephalon; Cerebrum ANATOMY Songül ÇUĞLAN	Limbic System ANATOMY Songül ÇUĞLAN	SELF-STUDY	SELF-STUDY
09:30 10:15	Extrapyramidal System: Basal Nuclei ANATOMY Songül ÇUĞLAN	Functional Areas of the Cerebral Hemispheres: Grey Matter ANATOMY Songül ÇUĞLAN	Blood Supply of the CNS ANATOMY Songül ÇUĞLAN	Cerebellum, Reticular System, and Basal Ganglia PHYSIOLOGY Caner ÇAĞLAR	Cerebral Ventricles, Dural Venous Sinuses, and Meninges ANATOMY Songül ÇUĞLAN
10:30 11:15	Spinal Cord Reflexes PHYSIOLOGY Savaş ÜSTÜNOVA	White Matter ANATOMY Songül ÇUĞLAN	SELF-STUDY	Cerebellum, Reticular System, and Basal Ganglia PHYSIOLOGY Caner ÇAĞLAR	SELF-STUDY
11:30 12:15	Spinal Cord Reflexes PHYSIOLOGY Savaş ÜSTÜNOVA	Cortical Control of Voluntary Movements PHYSIOLOGY Zülal KAPTAN	SELF-STUDY	Cerebellum, Reticular System, and Basal Ganglia PHYSIOLOGY Caner ÇAĞLAR	SELF-STUDY
13:30 14:15	Potentials in Synaptic Transmission - Biophysical Foundations of EEG BIOPHYSICS Denizhan KARIŞ	Cortical Control of Voluntary Movements PHYSIOLOGY Zülal KAPTAN	ELECTIVE (ONLINE/IN-PERSON)	SELF-STUDY	SELF-STUDY
14.30 15:15	Potentials in Synaptic Transmission - Biophysical Foundations of EEG BIOPHYSICS Denizhan KARIŞ	Associative Functions of the Brain PHYSIOLOGY Zülal KAPTAN	ELECTIVE (ONLINE/IN-PERSON)	SELF-STUDY	SELF-STUDY
15.30 16:15	SELF-STUDY	SELF-STUDY	Medical English II	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II
16.30 17:15	SELF-STUDY	SELF-STUDY	Medical English II	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II

2026–2027 Academic Year Year 1 Course Schedule

2B COMMITTEE (Central Nervous System and Sensory Systems)					
	10 May Monday	11 May Tuesday	12 May Wednesday	13 May Thursday	14 May Friday
08:30 09:15	SELF-STUDY	Membranes of Nervous System, Peripheral Nervous System HISTOLOGY Mukaddes EŞREFOĞLU	Histology of Brain and Cerebellum HISTOLOGY Mukaddes EŞREFOĞLU	Personality and Its Development PSYCHIATRY Özge SELÇUKOĞLU KİLİMCİ	LAB2x2: Cerebral Hemispheres ANATOMY
					LAB2X2: Nervous System HISTOLOGY
09:30 10:15	SELF-STUDY	Spinal Cord Histology HISTOLOGY Mukaddes EŞREFOĞLU	Histology of Brain and Cerebellum HISTOLOGY Mukaddes EŞREFOĞLU	Intelligence, Development, and Intellectual Disability PSYCHIATRY Zeliha DÖNMEZ	LAB2x2: Cerebral Hemispheres ANATOMY
					LAB2X2: Nervous System HISTOLOGY
10:30 11:15	SELF-STUDY	CNS and Behavior PSYCHIATRY Özge SELÇUKOĞLU KİLİMCİ	Limbic System and Hypothalamus PHYSIOLOGY Caner ÇAĞLAR	SELF-STUDY	LAB2x2: Cerebral Hemispheres ANATOMY
					LAB2X2: Nervous System HISTOLOGY
11:30 12:15	SELF-STUDY	Consciousness, Orientation, and Memory PSYCHIATRY Özge SELÇUKOĞLU KİLİMCİ	Limbic System and Hypothalamus PHYSIOLOGY Caner ÇAĞLAR	SELF-STUDY	LAB2x2: Cerebral Hemispheres ANATOMY
					LAB2X2: Nervous System HISTOLOGY
	FORMATIVE EXAM				
13:30 14:15	LAB2x2: Basal Nuclei ANATOMY	Social Responsibility Project Presentation (Hand Hygiene Day) Bülent DURDU	ELECTIVE (ONLINE/IN-PERSON)	LAB2x2: Somatic Senses and Reflexes PHYSIOLOGY	Social Responsibility Project Presentation (Foundation Week) Nuran YILDIRIM
	LAB2x2: Nerve Conduction Velocity and EMG PHYSIOLOGY				
14.30 15:15	LAB2x2: Basal Nuclei ANATOMY	Clinical Approaches Ramotolog Allan GELBER JOHNS HOPKINS	ELECTIVE (ONLINE/IN-PERSON)	LAB2x2: Somatic Senses and Reflexes PHYSIOLOGY	SELF-STUDY
	LAB2x2: Nerve Conduction Velocity and EMG PHYSIOLOGY				
15.30 16:15	LAB2x2: Basal Nuclei ANATOMY	Clinical Approaches Ramotolog Allan GELBER JOHNS HOPKINS	Medical English II	LAB2x2: Somatic Senses and Reflexes PHYSIOLOGY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II
	LAB2x2: Nerve Conduction Velocity and EMG PHYSIOLOGY				
16.30 17:15	LAB2x2: Basal Nuclei ANATOMY	SELF-STUDY	Medical English II	LAB2x2: Somatic Senses and Reflexes PHYSIOLOGY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II
	LAB2x2: Nerve Conduction Velocity and EMG PHYSIOLOGY				

2B COMMITTEE (Central Nervous System and Sensory Systems)					
	17 May Monday	18 May Tuesday	19 May Wednesday	20 May Thursday	21 May Friday
08:30 09:15	EID AL-ADHA	EID AL-ADHA	May 19 Commemoration of Atatürk, Youth and Sports Day EID AL-ADHA	SELF-STUDY	SELF-STUDY
09:30 10:15				SELF-STUDY	SELF-STUDY
10:30 11:15				SELF-STUDY	SELF-STUDY
11:30 12:15				SELF-STUDY	SELF-STUDY
13:30 14:15				SELF-STUDY	SELF-STUDY
14.30 15:15				SELF-STUDY	SELF-STUDY
15.30 16:15				SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II
16.30 17:15				SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II

2B COMMITTEE (Central Nervous System and Sensory Systems)					
	24 May Monday	25 May Tuesday	26 May Wednesday	27 May Thursday	28 May Friday
08:30 09:15	LAB 1×4: Cerebrospinal Fluid (CSF) Analyses BIOCHEMISTRY	Higher Brain Functions, Learning, and Memory PHYSIOLOGY Caner ÇAĞLAR	SELF-STUDY	Sensation and Perception PSYCHIATRY Zeliha DÖNMEZ	LAB2x2: Anatomy of the Eye and Visual Pathways ANATOMY
09:30 10:15	LAB 1×4: Cerebrospinal Fluid (CSF) Analyses BIOCHEMISTRY	Higher Brain Functions, Learning, and Memory PHYSIOLOGY Caner ÇAĞLAR	Anatomy of the Eye ANATOMY Songül ÇUĞLAN	Emotions PSYCHIATRY Zeliha DÖNMEZ	LAB2x2: Anatomy of the Eye and Visual Pathways ANATOMY
10:30 11:15	LAB 1×4: Cerebrospinal Fluid (CSF) Analyses BIOCHEMISTRY	Development of Nervous System HISTOLOGY Mukaddes EŞREFOĞLU	Anatomy of the Eye ANATOMY Songül ÇUĞLAN	Autonomic Nervous System PHYSIOLOGY Savaş ÜSTÜNOVA	LAB2x2: Anatomy of the Eye and Visual Pathways ANATOMY
11:30 12:15	LAB 1×4: Cerebrospinal Fluid (CSF) Analyses BIOCHEMISTRY	Development of Nervous System HISTOLOGY Mukaddes EŞREFOĞLU	Visual Pathways ANATOMY Songül ÇUĞLAN	Autonomic Nervous System PHYSIOLOGY Savaş ÜSTÜNOVA	LAB2x2: Anatomy of the Eye and Visual Pathways ANATOMY
13:30 14:15	LAB2x1: Cerebral Ventricles, Dural Venous Sinuses, and Meninges ANATOMY	Social Responsibility Project Presentation (Persons with Disabilities Week) Ozan Volkan YURDAKUL	ELECTIVE (ONLINE/IN-PERSON)	SELF-STUDY	SELF-STUDY
14:30 15:15	LAB2x1: Cerebral Ventricles, Dural Venous Sinuses, and Meninges ANATOMY	SELF-STUDY	ELECTIVE (ONLINE/IN-PERSON)	SELF-STUDY	SELF-STUDY
15:30 16:15	Biological Receptors – Receptor Potentials and Psychophysics BIOPHYSICS Denizhan KARIŞ	SELF-STUDY	Medical English II	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II
16:30 17:15	Biophysics of Sensory Systems, Sensory Intensity and Transduction BIOPHYSICS Denizhan KARIŞ	SELF-STUDY	Medical English	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II

2026–2027 Academic Year Year 1 Course Schedule

2B COMMITTEE (Central Nervous System and Sensory Systems)					
	31 May Monday	1 June Tuesday	2 June Wednesday	3 June Thursday	4 June Friday
08:30 09:15	Sleep, Brain Waves, and Epilepsy PHYSIOLOGY Savaş ÜSTÜNOVA	LAB2x2: EEG PHYSIOLOGY	Histology of Eye HISTOLOGY Mukaddes EŞREFOĞLU	SELF-STUDY	Anatomy of the Ear ANATOMY Songül ÇUĞLAN
09:30 10:15	Sleep, Brain Waves, and Epilepsy PHYSIOLOGY Savaş ÜSTÜNOVA	LAB2x2: EEG PHYSIOLOGY	Histology of Eye HISTOLOGY Mukaddes EŞREFOĞLU	Visual Sensation PHYSIOLOGY Savaş ÜSTÜNOVA	Anatomy of the Ear ANATOMY Songül ÇUĞLAN
10:30 11:15	Biochemistry of Vision BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	LAB2x2: EEG PHYSIOLOGY	Histology of Eye HISTOLOGY Mukaddes EŞREFOĞLU	Visual Sensation PHYSIOLOGY Savaş ÜSTÜNOVA	Auditory and Vestibular Pathways ANATOMY Songül ÇUĞLAN
11:30 12:15	Biochemistry of Vision BIOCHEMISTRY Fatmanur KÖKTAŞOĞLU	LAB2x2: EEG PHYSIOLOGY	SELF-STUDY	Visual Sensation PHYSIOLOGY Savaş ÜSTÜNOVA	CLINICAL REFLECTION (Visual Disorders) OPHTHALMOLOGY Furkan KIRIK (GRUP 10)
13:30 14:15	CLINICAL REFLECTION (Parkinson) NEUROLOGY Mecbure NALBANTOĞLU (GRUP 8)	SELF-STUDY	ELECTIVE (ONLINE/IN-PERSON)	SELF-STUDY	SELF-STUDY
14:30 15:15	CLINICAL REFLECTION (Sleep Disorders) CHEST DISEASES Hamza OGUN (GRUP 9)	SELF-STUDY	ELECTIVE (ONLINE/IN-PERSON)	SELF-STUDY	SELF-STUDY
15:30 16:15	Biophysics of Vision and Theories of Vision BIOPHYSICS Denizhan KARIŞ	SELF-STUDY	Medical English	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II
16:30 17:15	Biophysics of Vision and Theories of Vision BIOPHYSICS Denizhan KARIŞ	SELF-STUDY	Medical English	SELF-STUDY	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II

2026–2027 Academic Year Year 1 Course Schedule

2B COMMITTEE (Central Nervous System and Sensory Systems)					
	7 June Monday	8 June Tuesday	9 June Wednesday	10 June Thursday	11 June Friday
08:30 09:15	SELF-STUDY	Ear Histology HISTOLOGY Mukaddes EŞREFOĞLU	Auditory Sensation PHYSIOLOGY Savaş ÜSTÜNOVA	LAB2x2: Anatomy of the Ear and Auditory Pathways ANATOMY LAB2x2: Special Senses PHYSIOLOGY	SELF-STUDY
09:30 10:15	Development of Eye HISTOLOGY Mukaddes EŞREFOĞLU	Ear Histology HISTOLOGY Mukaddes EŞREFOĞLU	Auditory Sensation PHYSIOLOGY Savaş ÜSTÜNOVA	LAB2x2: Anatomy of the Ear and Auditory Pathways ANATOMY LAB2x2: Special Senses PHYSIOLOGY	SELF-STUDY
10:30 11:15	Senses of Taste, Smell, and Touch ANATOMY Songül ÇUĞLAN	Ear Histology HISTOLOGY Mukaddes EŞREFOĞLU	SELF-STUDY	LAB2x2: Anatomy of the Ear and Auditory Pathways ANATOMY LAB2x2: Special Senses PHYSIOLOGY	SELF-STUDY
11:30 12:15	Chemical Senses: Smell and Taste PHYSIOLOGY Savaş ÜSTÜNOVA	CLINICAL REFLECTION (Hearing Problems) ENT Orhan ÖZTURAN (GRUP 11)	SELF-STUDY	LAB2x2: Anatomy of the Ear and Auditory Pathways ANATOMY LAB2x2: Special Senses PHYSIOLOGY	SELF-STUDY
	TURKISH LANGUAGE II FINAL EXAM			ATATÜRK'S PRINCIPLES AND REVOLUTIONS II FINAL EXAM	
13:30 14:15	Biophysics of Hearing, Sound Waves, and Processing of Sound in the Inner Ear BIOPHYSICS Denizhan KARIŞ	Student Club Activities	ELECTIVE FINAL EXAM	SELF-STUDY	SELF-STUDY
14.30 15:15	Biophysics of Hearing, Sound Waves, and Processing of Sound in the Inner Ear BIOPHYSICS Denizhan KARIŞ	Student Club Activities	ELECTIVE FINAL EXAM	SELF-STUDY	SELF-STUDY
15.30 16:15	SELF-STUDY	SELF-STUDY	Medical English FINAL EXAM	SELF-STUDY	SELF-STUDY
16.30 17:15	SELF-STUDY	SELF-STUDY	Medical English FINAL EXAM	SELF-STUDY	SELF-STUDY

2026–2027 Academic Year Year 1 Course Schedule

2B COMMITTEE (Central Nervous System and Sensory Systems)					
	14 June Monday	15 June Tuesday	16 June Wednesday	17 June Thursday	18 June Friday
08:30 09:15	ANATOMY PRACTICAL EXAM	BASIC MEDICAL SKILLS EXAM	SELF-STUDY	SELF-STUDY	2 B KOMITE EXAM EXAM FEEDBACK WILL BE PROVIDED 15 MINUTES AFTER THE EXAM
09:30 10:15	ANATOMY PRACTICAL EXAM	BASIC MEDICAL SKILLS EXAM	SELF-STUDY	SELF-STUDY	
10:30 11:15	ANATOMY PRACTICAL EXAM	BASIC MEDICAL SKILLS EXAM	SELF-STUDY	SELF-STUDY	
11:30 12:15	ANATOMY PRACTICAL EXAM	BASIC MEDICAL SKILLS EXAM	SELF-STUDY	SELF-STUDY	
13:30 14:15	TURKISH LANGUAGE II RESIT EXAMINATION	BASIC MEDICAL SKILLS EXAM	ELECTIVE RESIT EXAMINATION	SELF-STUDY	
14.30 15:15	ATATÜRK'S PRINCIPLES AND REVOLUTIONS II RESIT EXAMINATION	BASIC MEDICAL SKILLS EXAM	ELECTIVE RESIT EXAMINATION		
15.30 16:15	SELF-STUDY	BASIC MEDICAL SKILLS EXAM	Medical English RESIT EXAMINATION	SELF-STUDY	
16.30 17:15	SELF-STUDY	BASIC MEDICAL SKILLS EXAM	Medical English RESIT EXAMINATION	SELF-STUDY	

2B COMMITTEE (Central Nervous System and Sensory Systems)					
	21 June Monday	22 June Tuesday	23 June Wednesday	24 June Thursday	25 June Friday
08:30 09:15	SELF-STUDY	SELF-STUDY	SELF-STUDY	SELF-STUDY	SPRING SEMESTER FINAL EXAM
09:30 10:15	SELF-STUDY	SELF-STUDY	SELF-STUDY	SELF-STUDY	
10:30 11:15	SELF-STUDY	SELF-STUDY	SELF-STUDY	SELF-STUDY	
11:30 12:15	SELF-STUDY	SELF-STUDY	SELF-STUDY	SELF-STUDY	
13:30 14:15	SELF-STUDY	SELF-STUDY	SELF-STUDY	SELF-STUDY	
14:30 15:15	SELF-STUDY	SELF-STUDY	SELF-STUDY	SELF-STUDY	
15:30 16:15	SELF-STUDY	SELF-STUDY	SELF-STUDY	SELF-STUDY	
16:30 17:15	SELF-STUDY	SELF-STUDY	SELF-STUDY	SELF-STUDY	

END-OF-YEAR RESIT EXAMINATION

Course Title Faculty Members	Total Theoretical Lecture Hours	END OF YEAR RESIT EXAM Total Number of Questions
Anatomy Assist. Prof. Dr. Songül ÇUĞLAN	93	39
Physiology Assoc. Prof. Dr. Savaş ÜSTÜNOVA Assist. Prof. Dr. Zülal KAPTAN Assist. Prof. Dr. Caner ÇAĞLAR	42 12 7	18 5 2
Histology Prof. Dr. Mukaddes EŞREFOĞLU	54	22
Biophysics Assist. Prof. Dr. Denizhan KARIŞ	54	22
Biochemistry Assist. Prof. Dr. Vildan Betül Yenigün Assist. Prof. Dr. Ufuk SARIKAYA Res. Assist. Dr. Fatmanur KÖKTAŞOĞLU	32 40 23	13 17 8
Medical Biology Assist. Prof. Dr. Gülçin ÖZKARA	35	15
Microbiology Prof. Dr. Mehmet Ziya DOYMAZ	14	6
Organic Chemistry Prof. Dr. Binnur TEMEL	6	3
Psychiatry Assist. Prof. Dr. Zeliha DÖNMEZ Assist. Prof. Dr. Özge SELÇUKOĞLU KİLİMCİ	9 4	4 2
Public Health Assist. Prof. Dr. Sabanur ÇAVDAR Dr. Melek Nur ASLAN	8 12	2 6
History of Medicine Assist. Prof. Dr. Özlem BİLDİK	16	7
Philosophy of Medicine Prof. Dr. Hakan ŞENTÜRK	3	1
Evidence-based medicine Prof. Dr. Semra ÖZÇELİK Assist. Prof. Dr. Duygu AYDIN HAKLI	3 6	1 2
John Hopkins Dr. Khalil Ghanem Dr. Ahmet Höke Dr. Allan Gelber	2 2 2	1 1 1
Family Medicine Prof. Dr. Aclan ÖZDER	2	1
Fundamental Disaster Preparedness and Disaster Awareness Training Assist. Prof. Dr. Özcan ERDOĞAN	2	1
TOPLAM	489	200

2B COMMITTEE (Central Nervous System and Sensory Systems)					
	28 June Monday	29 June Tuesday	30 June Wednesday	1 July Thursday	2 July Friday
08:30 09:15	SELF-STUDY	SELF-STUDY	2A RESIT EXAMINATION (For students repeating the course or taking a failed course)	2B RESIT EXAMINATION (For students repeating the course or taking a failed course)	END-OF-YEAR RESIT EXAMINATION
09:30 10:15	SELF-STUDY	SELF-STUDY			
10:30 11:15	SELF-STUDY	SELF-STUDY			
11:30 12:15	SELF-STUDY	SELF-STUDY			
13:30 14:15	SELF-STUDY	SELF-STUDY	SELF-STUDY	SELF-STUDY	
14.30 15:15	SELF-STUDY	SELF-STUDY	SELF-STUDY	SELF-STUDY	
15.30 16:15	SELF-STUDY	SELF-STUDY	SELF-STUDY	SELF-STUDY	
16.30 17:15	SELF-STUDY	SELF-STUDY	SELF-STUDY	SELF-STUDY	