



T.C.
MUGLA SITKI KOÇMAN UNIVERSITY
FACULTY OF MEDICINE

2025-2026
ACADEMIC YEAR
PHASE II
COMMITTEE 2
CIRCULATORY AND RESPIRATORY SYSTEMS
20 October 2025- 05 December 2025

DEAN	Prof. Dr. Süleyman Cüneyt KARAKUŞ
VICE DEANS	Prof. Dr. Cem ŞAHİN
	Prof. Dr. Nesrin FİLİZ BAŞARAN
CHIEF COORDINATOR	Prof. Dr. Emine Neşe YENİÇERİ
PHASE III COORDINATOR	Dr.Öğr.Üyesi Şehbal YEŞİLBAŞ (Committee Organizer)
PHASE III COORDINATOR ASSISTANTS	Prof.Dr. Deniz AKPINAR
	Doç.Dr. Turan DEMİRCAN
	Dr. Öğr. Üyesi Egemen KAYA
	Öğr.Gör.Dr. Zeynep Nisa KARAKOYUN

Lectures	Theoretical H	Practical H	Total H
Anatomy	27	10 (1 Grup)+9	46
Zeynep Nisa Karakoyun	14		
Asst. Prof. Mustafa Deniz Yörük	13		
Medical Microbiology	26	2 (1 Grup)+2	30
Asst. Prof. Alper Aksözek			
Asst. Prof. Burak Ekrem Çitil	26		
Medical Biochemistry	10		10
Prof. İsmail Çetin Öztürk	6		
Assoc. Prof. Ercan Saruhan	4		
Histology and Embryology	14	6 (1 Grup)+4	24
Prof. Feral Öztürk	8		
Prof. Hülya Elbe	3		
Assoc. Prof. Gürkan Yigittürk	3		
Physiology	18	4	22
Assoc. Prof. Serkan Aksu	18		
Biophysics	10		10
Asst. Prof. Tanju Mercan	10		
Cardiology	2		2
Asst. Prof. Süleyman Barutçu	2		
Professional Skills Laboratory (PSL)	2		2
Foreign Language	15		15
Total	124	37	161

Tarih	Gün	Saat	Anabilim Dalı Adı	Konu Adı	Öğr Elm.
20-10-2025	Pazartesi	08:30-09:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
20-10-2025	Pazartesi	09:30-10:20		Staj/Kurul değerlendirme saati / internship evaluation hour Course Introduction- Information Meeting	
20-10-2025	Pazartesi	10:30-11:20	ANATOMİ	Heart and Pericardium	MUSTAFA DENİZ YÖRÜK
20-10-2025	Pazartesi	11:30-12:20	ANATOMİ	Heart and Pericardium	MUSTAFA DENİZ YÖRÜK
20-10-2025	Pazartesi	12:30-13:20		Akademik Danışmanlık Saati / Academic Counselling Hour	
20-10-2025	Pazartesi	13:30-14:20	BİYOFİZİK	Fluids	TANJU MERCAN
20-10-2025	Pazartesi	14:30-15:20	BİYOFİZİK	Bernoulli Principle. Poiseuille Law and Blood Flow	TANJU MERCAN
20-10-2025	Pazartesi	15:30-16:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
20-10-2025	Pazartesi	16:30-17:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
21-10-2025	Salı	08:30-09:20	ANATOMİ	Heart and Pericardium	MUSTAFA DENİZ YÖRÜK
21-10-2025	Salı	09:30-10:20	ANATOMİ	Fetal Circulation	MUSTAFA DENİZ YÖRÜK
21-10-2025	Salı	10:30-11:20	HİSTOLOJİ VE EMBRİYOLOJİ	Cardiovascular System	FERAL ÖZTÜRK
21-10-2025	Salı	11:30-12:20	HİSTOLOJİ VE EMBRİYOLOJİ	Cardiovascular System	FERAL ÖZTÜRK
21-10-2025	Salı	12:30-13:20		Akademik Danışmanlık Saati / Academic Counselling Hour	
21-10-2025	Salı	13:30-14:20	TIBBİ MİKROBİYOLOJİ	Introduction to the Immune System	BURAK EKREM ÇİTİL
21-10-2025	Salı	14:30-15:20	TIBBİ MİKROBİYOLOJİ	Introduction to the Immune System	BURAK EKREM ÇİTİL
21-10-2025	Salı	15:30-16:20	TIBBİ MİKROBİYOLOJİ	Introduction to the Immune System	BURAK EKREM ÇİTİL
21-10-2025	Salı	16:30-17:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
22-10-2025	Çarşamba	08:30-09:20	ANATOMİ	Arch of Aorta	ZEYNEP NİSA KARAKOYUN
22-10-2025	Çarşamba	09:30-10:20	ANATOMİ	Thoracic Aorta	ZEYNEP NİSA KARAKOYUN
22-10-2025	Çarşamba	10:30-11:20	TIBBİ MİKROBİYOLOJİ	Cells and Tissues of the Adaptive Immune System	BURAK EKREM ÇİTİL
22-10-2025	Çarşamba	11:30-12:20	TIBBİ MİKROBİYOLOJİ	Innate Immunity	BURAK EKREM ÇİTİL
22-10-2025	Çarşamba	12:30-13:20			
22-10-2025	Çarşamba	13:30-14:20	HİSTOLOJİ VE EMBRİYOLOJİ	Cardiovascular System	FERAL ÖZTÜRK
22-10-2025	Çarşamba	14:30-15:20	HİSTOLOJİ VE EMBRİYOLOJİ	Cardiovascular System	FERAL ÖZTÜRK
22-10-2025	Çarşamba	15:30-16:20		Toplantı -Pratik /Meeting Practical LAB Histology and Embryology-Presentation of Circulatory System	
22-10-2025	Çarşamba	16:30-17:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
23-10-2025	Perşembe	08:30-09:20			
23-10-2025	Perşembe	09:30-10:20			
23-10-2025	Perşembe	10:30-11:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
23-10-2025	Perşembe	11:30-12:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
23-10-2025	Perşembe	12:30-13:20			
23-10-2025	Perşembe	13:30-14:20	FİZYOLOJİ	Electrocardiography: derivations and basic rules	SERKAN AKSU
23-10-2025	Perşembe	14:30-15:20	FİZYOLOJİ	Electrocardiography: cardiac arhythmias	SERKAN AKSU
23-10-2025	Perşembe	15:30-16:20	TIBBİ MİKROBİYOLOJİ	Innate Immunity	BURAK EKREM ÇİTİL
23-10-2025	Perşembe	16:30-17:20	TIBBİ MİKROBİYOLOJİ	Cellular Components of Innate Immunity	BURAK EKREM ÇİTİL
24-10-2025	Cuma	08:30-09:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
24-10-2025	Cuma	09:30-10:20		Toplantı -Pratik /Meeting Practical Foreign Language	
24-10-2025	Cuma	10:30-11:20		Toplantı -Pratik /Meeting Practical Foreign Language	
24-10-2025	Cuma	11:30-12:20		Toplantı -Pratik /Meeting Practical Foreign Language	
24-10-2025	Cuma	12:30-13:20			
24-10-2025	Cuma	13:30-14:20		Toplantı -Pratik /Meeting Practical LAB Anatomy-Heart and Pericardium, Fetal Circulation	
24-10-2025	Cuma	14:30-15:20		Toplantı -Pratik /Meeting Practical LAB Anatomy-Anatomy Model/Video Lecture	
24-10-2025	Cuma	15:30-16:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
24-10-2025	Cuma	16:30-17:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	

27-10-2025	Pazartesi	08:30-09:20	ANATOMİ	External carotid artery and its branches	ZEYNEP NİSA KARAKOYUN
27-10-2025	Pazartesi	09:30-10:20	ANATOMİ	External carotid artery and its branches	ZEYNEP NİSA KARAKOYUN
27-10-2025	Pazartesi	10:30-11:20	TIBBİ MİKROBİYOLOJİ	Effector Mechanisms of Innate Immunity and İnflammatory Response	BURAK EKREM ÇİTİL
27-10-2025	Pazartesi	11:30-12:20	TIBBİ MİKROBİYOLOJİ	Effector Mechanisms of Innate Immunity and İnflammatory Response	BURAK EKREM ÇİTİL
27-10-2025	Pazartesi	12:30-13:20		Akademik Danışmanlık Saati / Academic Counselling Hour	
27-10-2025	Pazartesi	13:30-14:20	FİZYOLOJİ	Interpretation of Electrocardiogram: Speed, Axle	SERKAN AKSU
27-10-2025	Pazartesi	14:30-15:20	FİZYOLOJİ	Interpretation of Electrocardiogram: Rhythm and Waves	SERKAN AKSU
27-10-2025	Pazartesi	15:30-16:20	TIBBİ BİYOKİMYA	Biochemistry of Erythrocytes and Blood	ERCAN SARUHAN
27-10-2025	Pazartesi	16:30-17:20	TIBBİ BİYOKİMYA	Biochemistry of Erythrocytes and Blood	ERCAN SARUHAN
28-10-2025	Salı	08:30-09:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
28-10-2025	Salı	09:30-10:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
28-10-2025	Salı	10:30-11:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
28-10-2025	Salı	11:30-12:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
28-10-2025	Salı	12:30-13:20		Resmi Tatil / Official Holiday	
28-10-2025	Salı	13:30-14:20		Resmi Tatil / Official Holiday	
28-10-2025	Salı	14:30-15:20		Resmi Tatil / Official Holiday	
28-10-2025	Salı	15:30-16:20		Resmi Tatil / Official Holiday	
28-10-2025	Salı	16:30-17:20		Resmi Tatil / Official Holiday	
29-10-2025	Çarşamba	08:30-09:20		Resmi Tatil / Official Holiday	
29-10-2025	Çarşamba	09:30-10:20		Resmi Tatil / Official Holiday	
29-10-2025	Çarşamba	10:30-11:20		Resmi Tatil / Official Holiday	
29-10-2025	Çarşamba	11:30-12:20		Resmi Tatil / Official Holiday	
29-10-2025	Çarşamba	12:30-13:20		Resmi Tatil / Official Holiday	
29-10-2025	Çarşamba	13:30-14:20		Resmi Tatil / Official Holiday	
29-10-2025	Çarşamba	14:30-15:20		Resmi Tatil / Official Holiday	
29-10-2025	Çarşamba	15:30-16:20		Resmi Tatil / Official Holiday	
29-10-2025	Çarşamba	16:30-17:20		Resmi Tatil / Official Holiday	
30-10-2025	Perşembe	08:30-09:20		Toplantı -Pratik /Meeting Practical Foreign Language	
30-10-2025	Perşembe	09:30-10:20		Toplantı -Pratik /Meeting Practical Foreign Language	
30-10-2025	Perşembe	10:30-11:20		Toplantı -Pratik /Meeting Practical LAB Histology and Embryology-Circulatory System	
30-10-2025	Perşembe	11:30-12:20		Toplantı -Pratik /Meeting Practical LAB Histology and Embryology- Circulatory System	
30-10-2025	Perşembe	12:30-13:20			
30-10-2025	Perşembe	13:30-14:20	TIBBİ MİKROBİYOLOJİ	Antigen Receptors of Lymphocytes	BURAK EKREM ÇİTİL
30-10-2025	Perşembe	14:30-15:20	TIBBİ MİKROBİYOLOJİ	Antigen Recognition in Adaptive Immun system	BURAK EKREM ÇİTİL
30-10-2025	Perşembe	15:30-16:20	TIBBİ MİKROBİYOLOJİ	immune system recognition of its own	BURAK EKREM ÇİTİL
30-10-2025	Perşembe	16:30-17:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
31-10-2025	Cuma	08:30-09:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
31-10-2025	Cuma	09:30-10:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
31-10-2025	Cuma	10:30-11:20	FİZYOLOJİ	Heart as a mechanical pump and function of the heart valves	SERKAN AKSU
31-10-2025	Cuma	11:30-12:20	FİZYOLOJİ	Rhythmic excitation of the heart and specialized excitatory and conductive system	SERKAN AKSU
31-10-2025	Cuma	12:30-13:20			
31-10-2025	Cuma	13:30-14:20		Toplantı -Pratik /Meeting Practical LAB Anatomy-Arch of Aorta, Thoracic Aorta	
31-10-2025	Cuma	14:30-15:20		Toplantı -Pratik /Meeting Practical LAB Anatomy-Anatomy Model/Video Lecture	
31-10-2025	Cuma	15:30-16:20		Toplantı -Pratik /Meeting Practical Foreign Language	
31-10-2025	Cuma	16:30-17:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
03-11-2025	Pazartesi	08:30-09:20	HİSTOLOJİ VE EMBRİYOLOJİ	Respiratory System	GÜRKAN YİĞİTTÜRK
03-11-2025	Pazartesi	09:30-10:20	HİSTOLOJİ VE EMBRİYOLOJİ	Respiratory System	GÜRKAN YİĞİTTÜRK
03-11-2025	Pazartesi	10:30-11:20	ANATOMİ	Veins of face and neck	ZEYNEP NİSA KARAKOYUN

03-11-2025	Pazartesi	11:30-12:20	ANATOMİ	Veins of thorax	ZEYNEP NİSA KARAKOYUN
03-11-2025	Pazartesi	12:30-13:20		Akademik Danışmanlık Saati / Academic Counselling Hour	
03-11-2025	Pazartesi	13:30-14:20		Mesleki Beceri Laboratuvarı MBL / Professional Skills Laboratory (PSL) Beceri 1 / Skill 1 : Normal solunum sesleri / Normal breathing sounds	
03-11-2025	Pazartesi	14:30-15:20		Mesleki Beceri Laboratuvarı MBL / Professional Skills Laboratory (PSL) Beceri 1 / Skill 1 : Normal solunum sesleri / Normal breathing sounds	
03-11-2025	Pazartesi	15:30-16:20		Mesleki Beceri Laboratuvarı MBL / Professional Skills Laboratory (PSL) Beceri 2 / Skill 2 : Normal kalp sesleri / Normal heart sounds	
03-11-2025	Pazartesi	16:30-17:20		Mesleki Beceri Laboratuvarı MBL / Professional Skills Laboratory (PSL) Beceri 2 / Skill 2 : Normal kalp sesleri / Normal heart sounds	
04-11-2025	Salı	08:30-09:20	ANATOMİ	Anterior and lateral cervical region	ZEYNEP NİSA KARAKOYUN
04-11-2025	Salı	09:30-10:20	ANATOMİ	Anterior and lateral cervical region	ZEYNEP NİSA KARAKOYUN
04-11-2025	Salı	10:30-11:20	HİSTOLOJİ VE EMBRİYOLOJİ	Development of Cardiovascular System	FERAL ÖZTÜRK
04-11-2025	Salı	11:30-12:20	HİSTOLOJİ VE EMBRİYOLOJİ	Fetal Circulation	FERAL ÖZTÜRK
04-11-2025	Salı	12:30-13:20		Akademik Danışmanlık Saati / Academic Counselling Hour	
04-11-2025	Salı	13:30-14:20	TIBBİ MİKROBİYOLOJİ	Culture Media and Inoculation Techniques	ALPER AKSÖZEK
04-11-2025	Salı	14:30-15:20	TIBBİ MİKROBİYOLOJİ	Culture Media and Inoculation Techniques	ALPER AKSÖZEK
04-11-2025	Salı	15:30-16:20	FİZYOLOJİ	Heart cycle: Time, pressure and volume changes	SERKAN AKSU
04-11-2025	Salı	16:30-17:20	FİZYOLOJİ	Heart Cycle: Electrocardiogram	SERKAN AKSU
05-11-2025	Çarşamba	08:30-09:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
05-11-2025	Çarşamba	09:30-10:20		Toplantı -Pratik /Meeting Practical LAB Histology and Embryology - Presentation of Respiratory System Laboratory- Gürkan Yiğittürk	
05-11-2025	Çarşamba	10:30-11:20	ANATOMİ	Deep Structures of Neck	MUSTAFA DENİZ YÖRÜK
05-11-2025	Çarşamba	11:30-12:20	ANATOMİ	Deep Structures of Neck	MUSTAFA DENİZ YÖRÜK
05-11-2025	Çarşamba	12:30-13:20			
05-11-2025	Çarşamba	13:30-14:20	HİSTOLOJİ VE EMBRİYOLOJİ	Development of Head and Neck	FERAL ÖZTÜRK
05-11-2025	Çarşamba	14:30-15:20	HİSTOLOJİ VE EMBRİYOLOJİ	Development of Head and Neck	FERAL ÖZTÜRK
05-11-2025	Çarşamba	15:30-16:20	TIBBİ BİYOKİMYA	Biochemistry of Coagulation proteins	İSMAİL ÇETİN ÖZTÜRK
05-11-2025	Çarşamba	16:30-17:20	TIBBİ BİYOKİMYA	Biochemistry of Coagulation proteins	İSMAİL ÇETİN ÖZTÜRK
06-11-2025	Perşembe	08:30-09:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
06-11-2025	Perşembe	09:30-10:20	BİYOFİZİK	Laplace Law and Aneurysm	TANJU MERCAN
06-11-2025	Perşembe	10:30-11:20	BİYOFİZİK	Measurement Methods of Blood Pressure and Blood Flow	TANJU MERCAN
06-11-2025	Perşembe	11:30-12:20	HİSTOLOJİ VE EMBRİYOLOJİ	Development of Respiratory System	GÜRKAN YİĞİTTÜRK
06-11-2025	Perşembe	12:30-13:20			
06-11-2025	Perşembe	13:30-14:20		Toplantı -Pratik /Meeting Practical Foreign Language	
06-11-2025	Perşembe	14:30-15:20		Toplantı -Pratik /Meeting Practical Foreign Language	
06-11-2025	Perşembe	15:30-16:20		Toplantı -Pratik /Meeting Practical Foreign Language	
06-11-2025	Perşembe	16:30-17:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
07-11-2025	Cuma	08:30-09:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
07-11-2025	Cuma	09:30-10:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
07-11-2025	Cuma	10:30-11:20	BİYOFİZİK	The Efficiency and Strength of the Heart	TANJU MERCAN
07-11-2025	Cuma	11:30-12:20	BİYOFİZİK	Respiratory System and Blood Laws	TANJU MERCAN
07-11-2025	Cuma	12:30-13:20			
07-11-2025	Cuma	13:30-14:20		Toplantı -Pratik /Meeting Practical LAB Anatomy-Veins of Face and Neck, Veins of Thorax	
07-11-2025	Cuma	14:30-15:20		Toplantı -Pratik /Meeting Practical LAB Anatomy- Anatomy Model/Video Lecture	
07-11-2025	Cuma	15:30-16:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	

07-11-2025	Cuma	16:30-17:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
10-11-2025	Pazartesi	08:30-09:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
10-11-2025	Pazartesi	09:30-10:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
10-11-2025	Pazartesi	10:30-11:20	ANATOMİ	Nose and structure of nose	ZEYNEP NİSA KARAKOYUN
10-11-2025	Pazartesi	11:30-12:20	ANATOMİ	Nose and structure of nose	ZEYNEP NİSA KARAKOYUN
10-11-2025	Pazartesi	12:30-13:20		Akademik Danışmanlık Saati / Academic Counselling Hour	
10-11-2025	Pazartesi	13:30-14:20	TIBBİ MİKROBİYOLOJİ	Antigen Processing and Presentation to T Lymphocytes	BURAK EKREM ÇİTİL
10-11-2025	Pazartesi	14:30-15:20	TIBBİ MİKROBİYOLOJİ	Antigen Processing and Presentation to T Lymphocytes	BURAK EKREM ÇİTİL
10-11-2025	Pazartesi	15:30-16:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
10-11-2025	Pazartesi	16:30-17:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
11-11-2025	Salı	08:30-09:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
11-11-2025	Salı	09:30-10:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
11-11-2025	Salı	10:30-11:20	TIBBİ MİKROBİYOLOJİ	T Cell–Mediated Immunity	BURAK EKREM ÇİTİL
11-11-2025	Salı	11:30-12:20	TIBBİ MİKROBİYOLOJİ	T Cell–Mediated Immunity	BURAK EKREM ÇİTİL
11-11-2025	Salı	12:30-13:20		Akademik Danışmanlık Saati / Academic Counselling Hour	
11-11-2025	Salı	13:30-14:20	FİZYOLOJİ	Heart sound and valvular heart disease	SERKAN AKSU
11-11-2025	Salı	14:30-15:20	FİZYOLOJİ	Cardiac output, venous return and their regulation	SERKAN AKSU
11-11-2025	Salı	15:30-16:20	TIBBİ BİYOKİMYA	Biochemistry of Respiratory System	ERCAN SARUHAN
11-11-2025	Salı	16:30-17:20	TIBBİ BİYOKİMYA	Biochemistry of Respiratory System	ERCAN SARUHAN
12-11-2025	Çarşamba	08:30-09:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
12-11-2025	Çarşamba	09:30-10:20	ANATOMİ	Trachea and Lungs	MUSTAFA DENİZ YÖRÜK
12-11-2025	Çarşamba	10:30-11:20	ANATOMİ	Trachea and Lungs	MUSTAFA DENİZ YÖRÜK
12-11-2025	Çarşamba	11:30-12:20	ANATOMİ	Trachea and Lungs	MUSTAFA DENİZ YÖRÜK
12-11-2025	Çarşamba	12:30-13:20			
12-11-2025	Çarşamba	13:30-14:20		Toplantı -Pratik /Meeting Practical LAB Anatomy-Anatomy Model/Video Lecture	
12-11-2025	Çarşamba	14:30-15:20		Toplantı -Pratik /Meeting Practical LAB Anatomy-Deep Structures of Neck, Anterior and Lateral Cervical Region	
12-11-2025	Çarşamba	15:30-16:20	TIBBİ BİYOKİMYA	Heme Biosynthesis & Porphyrins	İSMAİL ÇETİN ÖZTÜRK
12-11-2025	Çarşamba	16:30-17:20	TIBBİ BİYOKİMYA	Heme Biosynthesis & Porphyrins	İSMAİL ÇETİN ÖZTÜRK
13-11-2025	Perşembe	08:30-09:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
13-11-2025	Perşembe	09:30-10:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
13-11-2025	Perşembe	10:30-11:20		Toplantı -Pratik /Meeting Practical LAB Histology and Embryology-Respiratory System	
13-11-2025	Perşembe	11:30-12:20		Toplantı -Pratik /Meeting Practical LAB Histology and Embryology-Respiratory System	
13-11-2025	Perşembe	12:30-13:20			
13-11-2025	Perşembe	13:30-14:20			
13-11-2025	Perşembe	14:30-15:20			
13-11-2025	Perşembe	15:30-16:20	TIBBİ MİKROBİYOLOJİ	Effector Mechanisms of Cellular Immunity	BURAK EKREM ÇİTİL
13-11-2025	Perşembe	16:30-17:20	TIBBİ MİKROBİYOLOJİ	Effector Mechanisms of Cellular Immunity	BURAK EKREM ÇİTİL
14-11-2025	Cuma	08:30-09:20		Toplantı -Pratik /Meeting Practical Foreign Language	
14-11-2025	Cuma	09:30-10:20		Toplantı -Pratik /Meeting Practical Foreign Language	
14-11-2025	Cuma	10:30-11:20	TIBBİ MİKROBİYOLOJİ	Humoral Immunity	BURAK EKREM ÇİTİL
14-11-2025	Cuma	11:30-12:20	TIBBİ MİKROBİYOLOJİ	Humoral Immunity	BURAK EKREM ÇİTİL
14-11-2025	Cuma	12:30-13:20			
14-11-2025	Cuma	13:30-14:20		Toplantı -Pratik /Meeting Practical LAB Anatomy-Nose and Structure of Nose	
14-11-2025	Cuma	14:30-15:20		Toplantı -Pratik /Meeting Practical LAB Anatomy-Anatomy Model/Video Lecture	
14-11-2025	Cuma	15:30-16:20		Toplantı -Pratik /Meeting Practical Foreign Language	
14-11-2025	Cuma	16:30-17:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
17-11-2025	Pazartesi	08:30-09:20	FİZYOLOJİ	Capillary dynamics	SERKAN AKSU

17-11-2025	Pazartesi	09:30-10:20	FİZYOLOJİ	Lymphatic system	SERKAN AKSU
17-11-2025	Pazartesi	10:30-11:20	ANATOMİ	Larynx	ZEYNEP NİSA KARAKOYUN
17-11-2025	Pazartesi	11:30-12:20	ANATOMİ	Larynx	ZEYNEP NİSA KARAKOYUN
17-11-2025	Pazartesi	12:30-13:20		Akademik Danışmanlık Saati / Academic Counselling Hour	
17-11-2025	Pazartesi	13:30-14:20	TIBBİ MİKROBİYOLOJİ	Effector Mechanisms of Humoral Immunity	BURAK EKREM ÇİTİL
17-11-2025	Pazartesi	14:30-15:20	TIBBİ MİKROBİYOLOJİ	Effector Mechanisms of Humoral Immunity	BURAK EKREM ÇİTİL
17-11-2025	Pazartesi	15:30-16:20	FİZYOLOJİ	Pressure, flow and resistance in circulatory system	SERKAN AKSU
17-11-2025	Pazartesi	16:30-17:20	FİZYOLOJİ	Short term and long term control of arterial blood pressure	SERKAN AKSU
18-11-2025	Salı	08:30-09:20	ANATOMİ	Anatomy of Thoracic Wall	MUSTAFA DENİZ YÖRÜK
18-11-2025	Salı	09:30-10:20	ANATOMİ	Anatomy of Thoracic Wall	MUSTAFA DENİZ YÖRÜK
18-11-2025	Salı	10:30-11:20	TIBBİ MİKROBİYOLOJİ	Complement System	BURAK EKREM ÇİTİL
18-11-2025	Salı	11:30-12:20	TIBBİ MİKROBİYOLOJİ	Regulation of Adaptive Immune Responses	BURAK EKREM ÇİTİL
18-11-2025	Salı	12:30-13:20		Akademik Danışmanlık Saati / Academic Counselling Hour	
18-11-2025	Salı	13:30-14:20	BİYOFİZİK	Physical Foundations of ECG	TANJU MERCAN
18-11-2025	Salı	14:30-15:20	BİYOFİZİK	Physical Foundations of ECG	TANJU MERCAN
18-11-2025	Salı	15:30-16:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
18-11-2025	Salı	16:30-17:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
19-11-2025	Çarşamba	08:30-09:20		Toplantı -Pratik /Meeting Practical LAB Histology and Embryology-Presentation of Lymphoid System-Gürkan Yiğittürk	
19-11-2025	Çarşamba	09:30-10:20	HİSTOLOJİ VE EMBRİYOLOJİ	Lymphatic System Histology and Development	HÜLYA ELBE
19-11-2025	Çarşamba	10:30-11:20	HİSTOLOJİ VE EMBRİYOLOJİ	Lymphatic System Histology and Development	HÜLYA ELBE
19-11-2025	Çarşamba	11:30-12:20	HİSTOLOJİ VE EMBRİYOLOJİ	Lymphatic System Histology and Development	HÜLYA ELBE
19-11-2025	Çarşamba	12:30-13:20			
19-11-2025	Çarşamba	13:30-14:20		Toplantı -Pratik /Meeting Practical LAB Anatomy-Larynx	
19-11-2025	Çarşamba	14:30-15:20		Toplantı -Pratik /Meeting Practical LAB Anatomy - Anatomy Model/Video Lecture	
19-11-2025	Çarşamba	15:30-16:20	TIBBİ BİYOKİMYA	Iron Metabolism	İSMAİL ÇETİN ÖZTÜRK
19-11-2025	Çarşamba	16:30-17:20	TIBBİ BİYOKİMYA	Iron Metabolism	İSMAİL ÇETİN ÖZTÜRK
20-11-2025	Perşembe	08:30-09:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
20-11-2025	Perşembe	09:30-10:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
20-11-2025	Perşembe	10:30-11:20		Toplantı -Pratik /Meeting Practical LAB Histology and Embryology-Lymphoid System	
20-11-2025	Perşembe	11:30-12:20		Toplantı -Pratik /Meeting Practical LAB Histology and Embryology-Lymphoid System	
20-11-2025	Perşembe	12:30-13:20			
20-11-2025	Perşembe	13:30-14:20	TIBBİ MİKROBİYOLOJİ	Staining Methods	ALPER AKSÖZEK
20-11-2025	Perşembe	14:30-15:20	TIBBİ MİKROBİYOLOJİ	Staining Methods	ALPER AKSÖZEK
20-11-2025	Perşembe	15:30-16:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
20-11-2025	Perşembe	16:30-17:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
21-11-2025	Cuma	08:30-09:20		Toplantı -Pratik /Meeting Practical Foreign Language	
21-11-2025	Cuma	09:30-10:20		Toplantı -Pratik /Meeting Practical Foreign Language	
21-11-2025	Cuma	10:30-11:20	FİZYOLOJİ	Morphology of respiratory system	SERKAN AKSU
21-11-2025	Cuma	11:30-12:20	FİZYOLOJİ	Elastic properties of the lung	SERKAN AKSU
21-11-2025	Cuma	12:30-13:20			
21-11-2025	Cuma	13:30-14:20		Toplantı -Pratik /Meeting Practical LAB Anatomy - Trachea and Lungs	
21-11-2025	Cuma	14:30-15:20		Toplantı -Pratik /Meeting Practical LAB Anatomy-Anatomy Model/Video Lecture	
21-11-2025	Cuma	15:30-16:20		Toplantı -Pratik /Meeting Practical Foreign Language	
21-11-2025	Cuma	16:30-17:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
24-11-2025	Pazartesi	08:30-09:20	TIBBİ MİKROBİYOLOJİ	Termination of immune response	BURAK EKREM ÇİTİL
24-11-2025	Pazartesi	09:30-10:20	TIBBİ MİKROBİYOLOJİ	Serological Diagnostic Methods Used in Microbiology	BURAK EKREM ÇİTİL

24-11-2025	Pazartesi	10:30-11:20	ANATOMİ	Lymphoid System and vessels	MUSTAFA DENİZ YÖRÜK
24-11-2025	Pazartesi	11:30-12:20	ANATOMİ	Lymphoid System and vessels	MUSTAFA DENİZ YÖRÜK
24-11-2025	Pazartesi	12:30-13:20		Akademik Danışmanlık Saati / Academic Counselling Hour	
24-11-2025	Pazartesi	13:30-14:20	FİZYOLOJİ	Pulmonary ventilation	SERKAN AKSU
24-11-2025	Pazartesi	14:30-15:20	FİZYOLOJİ	Pulmonary circulation , pulmonary edema and pleural fluid	SERKAN AKSU
24-11-2025	Pazartesi	15:30-16:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
24-11-2025	Pazartesi	16:30-17:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
25-11-2025	Salı	08:30-09:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
25-11-2025	Salı	09:30-10:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
25-11-2025	Salı	10:30-11:20	ANATOMİ	Diaphragm	ZEYNEP NİSA KARAKOYUN
25-11-2025	Salı	11:30-12:20	ANATOMİ	Mediastinum	ZEYNEP NİSA KARAKOYUN
25-11-2025	Salı	12:30-13:20		Akademik Danışmanlık Saati / Academic Counselling Hour	
25-11-2025	Salı	13:30-14:20	FİZYOLOJİ	Alveolar ventilation and perfusion	SERKAN AKSU
25-11-2025	Salı	14:30-15:20	FİZYOLOJİ	Ventilation - perfusion ratio	SERKAN AKSU
25-11-2025	Salı	15:30-16:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
25-11-2025	Salı	16:30-17:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
26-11-2025	Çarşamba	08:30-09:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
26-11-2025	Çarşamba	09:30-10:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
26-11-2025	Çarşamba	10:30-11:20	BİYOFİZİK	Lung Volume Capacity	TANJU MERCAN
26-11-2025	Çarşamba	11:30-12:20	BİYOFİZİK	Surface Tension, Surfactant and Alveoli Mechanism	TANJU MERCAN
26-11-2025	Çarşamba	12:30-13:20			
26-11-2025	Çarşamba	13:30-14:20		Toplantı -Pratik /Meeting Practical LAB Anatomy - Lymphoid System, Anatomy of Thoracic Wall	
26-11-2025	Çarşamba	14:30-15:20		Toplantı -Pratik /Meeting Practical LAB Anatomy-Anatomy Model/Video Lecture	
26-11-2025	Çarşamba	15:30-16:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
26-11-2025	Çarşamba	16:30-17:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
27-11-2025	Perşembe	08:30-09:20	KARDİYOLOJİ	Ecg in cardiovascular diseases	SÜLEYMAN BARUTÇU
27-11-2025	Perşembe	09:30-10:20	KARDİYOLOJİ	Ecg in cardiovascular diseases	SÜLEYMAN BARUTÇU
27-11-2025	Perşembe	10:30-11:20	FİZYOLOJİ	Respiratory function tests	SERKAN AKSU
27-11-2025	Perşembe	11:30-12:20	FİZYOLOJİ	Regulation of respiration	SERKAN AKSU
27-11-2025	Perşembe	12:30-13:20			
27-11-2025	Perşembe	13:30-14:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
27-11-2025	Perşembe	14:30-15:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
27-11-2025	Perşembe	15:30-16:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
27-11-2025	Perşembe	16:30-17:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
28-11-2025	Cuma	08:30-09:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
28-11-2025	Cuma	09:30-10:20		Toplantı -Pratik /Meeting Practical Foreign Language	
28-11-2025	Cuma	10:30-11:20		Toplantı -Pratik /Meeting Practical Foreign Language	
28-11-2025	Cuma	11:30-12:20		Toplantı -Pratik /Meeting Practical Foreign Language	
28-11-2025	Cuma	12:30-13:20			
28-11-2025	Cuma	13:30-14:20		Toplantı -Pratik /Meeting Practical LAB Anatomy-Diaphragma, Mediastinum	
28-11-2025	Cuma	14:30-15:20		Toplantı -Pratik /Meeting Practical LAB Anatomy-Anatomy Model/Video Lecture	
28-11-2025	Cuma	15:30-16:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
28-11-2025	Cuma	16:30-17:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
01-12-2025	Pazartesi	08:30-09:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	

01-12-2025	Pazartesi	09:30-10:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
01-12-2025	Pazartesi	10:30-11:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
01-12-2025	Pazartesi	11:30-12:20		Toplantı -Pratik /Meeting Practical LAB Histology and Embryology-Microscopic Evaluation of Committee	
01-12-2025	Pazartesi	12:30-13:20		Akademik Danışmanlık Saati / Academic Counselling Hour	
01-12-2025	Pazartesi	13:30-14:20		Topluma Dayalı Eğitim LAB Anatomy-General review	
01-12-2025	Pazartesi	14:30-15:20		Toplantı -Pratik /Meeting Practical LAB Anatomi-General review	
01-12-2025	Pazartesi	15:30-16:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
01-12-2025	Pazartesi	16:30-17:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
02-12-2025	Salı	08:30-09:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
02-12-2025	Salı	09:30-10:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
02-12-2025	Salı	10:30-11:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
02-12-2025	Salı	11:30-12:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
02-12-2025	Salı	12:30-13:20		Akademik Danışmanlık Saati / Academic Counselling Hour	
02-12-2025	Salı	13:30-14:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
02-12-2025	Salı	14:30-15:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
02-12-2025	Salı	15:30-16:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
02-12-2025	Salı	16:30-17:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
03-12-2025	Çarşamba	08:30-09:20		Sınav / Exam COMMITTEE 2 EXAMS	
03-12-2025	Çarşamba	09:30-10:20		Sınav / Exam COMMITTEE 2 EXAMS	
03-12-2025	Çarşamba	10:30-11:20		Sınav / Exam COMMITTEE 2 EXAMS	
03-12-2025	Çarşamba	11:30-12:20		Sınav / Exam COMMITTEE 2 EXAMS	
03-12-2025	Çarşamba	12:30-13:20			
03-12-2025	Çarşamba	13:30-14:20		Sınav / Exam COMMITTEE 2 EXAMS	
03-12-2025	Çarşamba	14:30-15:20		Sınav / Exam COMMITTEE 2 EXAMS	
03-12-2025	Çarşamba	15:30-16:20		Sınav / Exam COMMITTEE 2 EXAMS	
03-12-2025	Çarşamba	16:30-17:20		Sınav / Exam COMMITTEE 2 EXAMS	
04-12-2025	Perşembe	08:30-09:20		Sınav / Exam COMMITTEE 2 EXAMS	
04-12-2025	Perşembe	09:30-10:20		Sınav / Exam COMMITTEE 2 EXAMS	
04-12-2025	Perşembe	10:30-11:20		Sınav / Exam COMMITTEE 2 EXAMS	
04-12-2025	Perşembe	11:30-12:20		Sınav / Exam COMMITTEE 2 EXAMS	
04-12-2025	Perşembe	12:30-13:20			
04-12-2025	Perşembe	13:30-14:20		Sınav / Exam COMMITTEE 2 EXAMS	
04-12-2025	Perşembe	14:30-15:20		Sınav / Exam COMMITTEE 2 EXAMS	
04-12-2025	Perşembe	15:30-16:20		Sınav / Exam COMMITTEE 2 EXAMS	
04-12-2025	Perşembe	16:30-17:20		Sınav / Exam COMMITTEE 2 EXAMS	
05-12-2025	Cuma	08:30-09:20		Sınav / Exam COMMITTEE 2 EXAMS	
05-12-2025	Cuma	09:30-10:20		Sınav / Exam COMMITTEE 2 EXAMS	
05-12-2025	Cuma	10:30-11:20		Sınav / Exam COMMITTEE 2 EXAMS	
05-12-2025	Cuma	11:30-12:20		Sınav / Exam COMMITTEE 2 EXAMS	
05-12-2025	Cuma	12:30-13:20			
05-12-2025	Cuma	13:30-14:20		Staj sonu sınavı değerlendirme saati / end of internship exam evaluation hour	
05-12-2025	Cuma	14:30-15:20		Staj/Kurul değerlendirme saati / internship evaluation hour	
05-12-2025	Cuma	15:30-16:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	
05-12-2025	Cuma	16:30-17:20		Yapılandırılmış Serbest Çalışma Saati / Structured Free Study Hour	

AIM(S) of the PHASE-2 COMMITTEE-2

1.	In this committee, it is aimed that students be able to evaluate the embryological development processes, anomalies, anatomical, histological, physiological and biochemical features of the circulatory and respiratory systems by associating them with the laws of biophysics.
2.	In this committee, it is aimed that the students comprehend the problem-based approach to the cases.
3.	In this committee, it is aimed that the students be able to comprehend the principles of basic immunology and the basic media and dyes used in medical bacteriology.
4.	In this committee, it is aimed that students comprehend case analysis with Problem based learning methods.

OBJECTIVE(S) of the PHASE-2 COMMITTEE-2

1.	To be able to theoretically define the anatomical details of the structures that make up the circulatory and respiratory systems such as the nose, larynx, trachea, lungs, heart, arterial, venous, and lymphatic vessels and nodes and the thoracic wall, and to be able to show these structures on cadavers and models.
2.	To be able to count the histological layers of the structures that make up the circulatory and respiratory systems, to be able to distinguish the types of vessels and to be able to recognize them microscopically.
3.	To be able to define the embryological developmental stages of the structures that make up the circulatory and respiratory systems, and the features and anomalies of the fetal circulation.
4.	To be able to explain the structures that play a role in the development of the head and neck, which structures are formed from these structures and their development times.
5.	To be able to explain the electrophysiological properties of the heart muscle and its relationship with the pump function of the heart, the flow-pressure-resistance relationship in the circulatory system, the cooperation of the heart and vascular system in providing appropriate tissue perfusion, the pressure-current relationship in the vascular system and the control mechanisms of microcirculation.
6.	To be able to count the neurogenic and hormonal mechanisms that function in the regulation of blood pressure, to be able to recognize heart sounds, to be able to interpret blood pressure changes, to be able to calculate heart rate on ECG, to be able to evaluate heart rhythm and to be able to perform vector analysis.
7.	To be able to interpret the changes in current-resistance relations and partial gas pressures during the passage of air through these routes during exhalation.
8.	To be able to comprehend and evaluate the factors regulating ventilation mechanics (pulmonary elastic properties, intrathoracic negative pressure) and the meaning of pulmonary function tests.
9.	To be able to explain the dynamics of pulmonary circulation and blood flow and to be able to interpret the relationship with gas exchange in the lung.
10.	To be able to describe the dynamics of oxygen and carbon dioxide exchange between atmosphere and blood, blood and cell, the transport of these gases and the

	biochemical reactions in this process.
11.	To be able to describe the centers in the brain stem regulating respiratory activity, their functioning, and the structures and functions of peripheral and central chemoreceptors that carry data to these centers.
12.	To be able to explain the physical basis of ECG, the efficiency and strength of the heart, surface tension, surfactant and alveolar mechanics.
13.	To be able to describe the biochemical structure of blood and to be able to explain the biochemical mechanisms in erythrocytes, to be able to describe the biochemical structures and mechanisms of coagulation proteins.
14.	To be able to describe both biosynthesis and degradation metabolism and to be able to explain porphyries.
15.	To be able to explain the importance of iron, its functions, metabolism in the body, iron-related proteins and diseases.
16.	To be able to describe the biochemical mechanisms of the respiratory system.
17.	To be able to comprehend and interpret the members of natural, cellular and humoral immunity in humans, their stages and the interaction between each other, to be able to recognize and use the basic media and dyes used in medical bacteriology.

INTENDED LEARNING OUTCOME(S) PHASE-2 COMMITTEE-2

1.	Can theoretically define the anatomical details of the structures that make up the circulatory and respiratory systems such as the nose, larynx, trachea, lungs, heart, arterial, venous, and lymphatic vessels and nodes and the thoracic wall, and can show these structures on cadavers and models.
2.	Can count the histological layers of the structures that make up the circulatory and respiratory systems, can distinguish the types of vessels and can recognize them microscopically.
3.	Can define the embryological developmental stages of the structures that make up the circulatory and respiratory systems, and the features and anomalies of the fetal circulation.
4.	Can explain the structures that play a role in the development of the head and neck, which structures are formed from these structures and their development times.
5.	Can explain the electrophysiological properties of the heart muscle and its relationship with the pump function of the heart, the flow-pressure-resistance relationship in the circulatory system, the cooperation of the heart and vascular system in providing appropriate tissue perfusion, the pressure-current relationship in the vascular system and the control mechanisms of microcirculation.
6.	Can count the neurogenic and hormonal mechanisms that function in the regulation of blood pressure, can recognize heart sounds, can interpret blood pressure changes, can calculate heart rate on ECG, can evaluate heart rhythm and can perform vector analysis.
7.	Can interpret the changes in current-resistance relations and partial gas pressures during the passage of air through these routes during exhalation.
8.	Can comprehend and evaluate the factors regulating ventilation mechanics (pulmonary elastic properties, intrathoracic negative pressure) and the meaning of pulmonary function tests.
9.	Can explain the dynamics of pulmonary circulation and blood flow and can interpret the relationship with gas exchange in the lung.
10.	Can describe the dynamics of oxygen and carbon dioxide exchange between

	atmosphere and blood, blood and cell, the transport of these gases and the biochemical reactions in this process.
11.	Can describe the centers in the brain stem regulating respiratory activity, their functioning, and the structures and functions of peripheral and central chemoreceptors that carry data to these centers.
12.	Can explain the physical basis of ECG, the efficiency and strength of the heart, surface tension, surfactant, and alveolar mechanics.
13.	Can describe the biochemical structure of blood and can explain the biochemical mechanisms in erythrocytes, can describe the biochemical structures and mechanisms of coagulation proteins.
14.	Can describe both biosynthesis and degradation metabolism and can explain porphyries.
15.	Can explain the importance of iron, its functions, metabolism in the body, iron-related proteins and diseases.
16.	Can describe the biochemical mechanisms of the respiratory system.
17.	Can comprehend and interpret the members of natural, cellular and humoral immunity in humans, their stages and the interaction between each other, can recognize and use the basic media and dyes used in medical bacteriology.