



MUĞLA SITKI KOÇMAN ÜNİVERSİTESİ



**T. C.
MUĞLA SITKI KOÇMAN UNIVERSITY
FACULTY OF MEDICINE**

**2020 – 2021
ACADEMIC YEAR
PHASE II**

**CIRCULATORY AND RESPIRATORY SYSTEMS
COMMITTEE
26 OCTOBER 2020 – 11 DECEMBER 2020
7 WEEKS**

T. C.
MUĞLA SITKI KOÇMAN UNIVERSITY
FACULTY OF MEDICINE
2020 – 2021 ACADEMIC YEAR
PHASE 2
CIRCULATORY AND RESPIRATORY SYSTEMS
COMMITTEE
(26 OCTOBER 2020 – 11 DECEMBER 2020)
COURSE SCHEDULE

DEAN	Prof. Dr. Nevres Hürriyet AYDOĞAN
VICE DEAN	Prof. Dr. Yasemin BALCI
VICE DEAN	Assoc. Prof. Dr. Deniz AKPINAR
CHIEF-COORDINATOR	Prof. Dr. Feral ÖZTÜRK
COORDINATORS	Assoc.Prof. Dr. M. İlkay KOŞAR Prof Dr. Ümmühani ÖZEL TÜRKCÜ Asist. Prof. Dr. Hasan TETİKER Asist. Prof. Dr. Alper AKSÖZEK M.D.Zeynep Nisa KARAKOYUN

Lectures	Theoretical L.H.*	Practical L.H.*	Total L.H.*
Anatomy	24	16	40
Physiology	20	2	22
Medical Microbiology	30	8	38
Histology-Embryology	18	3	21
Biophysics	10	-	10
Medical Biochemistry	10	-	10
PBL	12	-	12
Foreign Language	15	-	15
Total	156	25	181

*L.H: Lecture Hours

COMMITTEE LECTURERS:

Prof. Dr. Feral ÖZTÜRK	Prof. Dr. İ.Çetin ÖZTÜRK
Prof.Dr. Seda VATANSEVER	
Assoc. Prof. Dr. M. İlkay KOŞAR	Assoc. Prof. Dr. Hülya ELBE
Asist. Prof. Dr. Alper AKSÖZEK	Asist. Prof. Dr. Burak Ekrem ÇİTİL
Asist. Prof. Dr. Ceren Uğuz GENÇER	Asist. Prof. Dr. Parivash AMINI
Asist. Prof. Dr Ercan SARUHAN	Asist. Prof. Dr. Egemen KAYA

FIRST WEEK

26 OCTOBER 2020 MONDAY			
08.30 - 09.20			
09.30 - 10.20			
10.30- 11.20		Introduction of the committee II	M. İlkay KOŞAR Ümmühani ÖZEL TÜRKÇÜ Hasan TETİKER Alper AKSÖZEK Zeynep Nisa KARAKOYUN
11.30- 12.20			
13.30 - 14.20	Anatomy	Heart and Pericardium	Ceren UĞUZ GENÇER
14.30 - 15.20	Anatomy	Heart and Pericardium	Ceren UĞUZ GENÇER
15.30 - 16.20			
16.30 - 17.20			

27 OCTOBER 2020 TUESDAY			
08.30 - 09.20			
09.30 - 10.20			
10.30- 11.20	Physiology	The Heart as a Mechanical Pump and Function of the Heart Valves	Egemen KAYA
11.30- 12.20	Physiology	Rhythmic Excitation of the Heart and Specialized Excitatory and Conductive System of the Heart	Egemen KAYA
13.30 - 14.20			
14.30 - 15.20			
15.30 - 16.20			
16.30 - 17.20			

28 OCTOBER 2020 WEDNESDAY			
08.30 - 09.20			
09.30 - 10.20			
10.30- 11.20	Anatomy	Heart and Pericardium	Ceren UĞUZ GENÇER
11.30- 12.20	Anatomy	Fetal Circulation	Ceren UĞUZ GENÇER
13.30 - 14.20			
14.30 - 15.20			
15.30 - 16.20			
16.30 - 17.20			

29 OCTOBER 2020 THURSDAY			
08.30 - 09.20	CUMHURİYET BAYRAMI		
09.30 - 10.20			
10.30- 11.20			
11.30- 12.20			
13.30 - 14.20	CUMHURİYET BAYRAMI		
14.30 - 15.20			
15.30 - 16.20			
16.30 - 17.20			

30 OCTOBER 2020 FRIDAY			
08.30 - 09.20			
09.30 - 10.20			
10.30- 11.20			
11.30- 12.20			
13.30 - 14.20			
14.30 - 15.20			
15.30 - 16.20			
16.30 - 17.20			

SECOND WEEK

02 NOVEMBER 2020 MONDAY			
08.30 - 09.20			
09.30 - 10.20			
10.30- 11.20	M. Microbiology	Introduction to Basic Immunology	Burak Ekrem ÇİTİL
11.30- 12.20	M. Microbiology	Introduction to Basic Immunology	Burak Ekrem ÇİTİL
ADVISOR HOUR			
13.30 - 14.20	Anatomy	Arch of Aorta	Zeynep Nisa KARAKOYUN
14.30 - 15.20	Anatomy	Thoracic Aorta	Zeynep Nisa KARAKOYUN
15.30 - 16.20	LAB Anatomy	Heart and Pericardium, Fetal Circulation	All Instructors of the Department
16.30 - 17.20	LAB Anatomy	Heart and Pericardium,Fetal Circulation	All Instructors of the Department

03 NOVEMBER 2020 TUESDAY			
08.30 - 09.20	M. Microbiology	Antigens and Receptors	Burak Ekrem ÇİTİL
09.30 - 10.20	M. Microbiology	Self Recognition requirement	Burak Ekrem ÇİTİL
10.30- 11.20	Histology-Embryology	Circulatory System	Feral ÖZTÜRK
11.30- 12.20	Histology-Embryology	Circulatory System	Feral ÖZTÜRK
ADVISOR HOUR			
13.30 - 14.20	LAB Anatomy	Arch of Aorta, Thoracic Aorta	All Instructors of the Department
14.30 - 15.20	LAB Anatomy	Arch of Aorta, Thoracic Aorta	All Instructors of the Department
15.30 - 16.20	Physiology	Electrocardiography: Derivations and Basic Rules	Egemen KAYA
16.30 - 17.20	Physiology	Electrocardiography: Cardiac Arrhythmias	Egemen KAYA

04 NOVEMBER 2020 WEDNESDAY			
08.30 - 09.20	M. Biochemistry	Biochemistry of Erythrocytes and Blood	Ercan SARUHAN
09.30 - 10.20	M. Biochemistry	Biochemistry of Erythrocytes and Blood	Ercan SARUHAN
10.30- 11.20	Biophysics	Physical Foundations of ECG	Parivash AMIINI
11.30- 12.20	Biophysics	Physical Foundations of ECG	Parivash AMIINI
13.30 - 14.20			
14.30 - 15.20			
15.30 - 16.20	Histology-Embryology	Circulatory System	Feral ÖZTÜRK
16.30 - 17.20	Histology-Embryology	Circulatory System	Feral ÖZTÜRK

05 NOVEMBER 2020 THURSDAY			
08.30 - 09.20			
09.30 - 10.20			
10.30- 11.20	LAB Physiology	Interpretation of Electrocardiogram: Speed, Axle	Egemen KAYA
11.30- 12.20	LAB Physiology	Interpretation of Electrocardiogram: Rhythm and Waves tation	Egemen KAYA
13.30 - 14.20	M. Microbiology	Cells and Tissues of the Adaptive Immune System	Burak Ekrem ÇİTİL
14.30 - 15.20	M. Microbiology	Cells and Tissues of the Adaptive Immune System	Burak Ekrem ÇİTİL
15.30 - 16.20	LAB M. Microbiology	Growth Medias and Inoculation techniques on Medias	All Instructors of the Department
16.30 - 17.20			

06 NOVEMBER 2020 FRIDAY			
08.30 - 09.20	Physiology	Heart Cycle: Time, Pressure and Volume Changes	Egemen KAYA
09.30 - 10.20	Physiology	Heart Cycle: Electrocardiogram	Egemen KAYA
10.30- 11.20	M. Microbiology	Innate Immunity	Burak Ekrem ÇİTİL
11.30- 12.20	M. Microbiology	Innate Immunity	Burak Ekrem ÇİTİL
13.30 - 14.20	Biophysics	Measurment Methods of Blood Pressure and Blood Flow	Parivash AMIINI
14.30 - 15.20	Biophysics	Relation Among Hydrostatic Pressure and edema, Varicosis and Blood Pressure (Tension	Parivash AMIINI
15.30 - 16.20	Study Hour		
16.30 - 17.20	Study Hour		

THIRD WEEK

09 NOVEMBER 2020 MONDAY			
08.30 - 09.20	M. Microbiology	Cellular Components of Innate Immunity	Burak Ekrem ÇİTİL
09.30 - 10.20	M. Microbiology	Soluble recognition and effector molecules in innate immunity	Burak Ekrem ÇİTİL
10.30- 11.20	Anatomy	Veins of Face and Neck	Zeynep Nisa KARAKOYUN
11.30- 12.20	Anatomy	Veins of Thorax	Zeynep Nisa KARAKOYUN
ADVISOR HOUR			
13.30 - 14.20	Biophysics	Bernouli Principle. Poiseuille Law and Blood Flow	Parivash AMIINI
14.30 - 15.20	Biophysics	Laplace Law and Aneurysm	Parivash AMIINI
15.30 - 16.20			
16.30 - 17.20			

10 NOVEMBER 2020 TUESDAY			
08.30 - 09.20			
09.30 - 10.20			
10.30- 11.20	M. Microbiology	Effector Mechanisms of Innate Immunity and Inflammatory Response	Burak Ekrem ÇİTİL
11.30- 12.20	M. Microbiology	Effector Mechanisms of Innate Immunity and Inflammatory Response	Burak Ekrem ÇİTİL
ADVISOR HOUR			
13.30 - 14.20	Anatomy	Anterior and Lateral Cervical Region	M. İlkey KOŞAR
14.30 - 15.20	Anatomy	Anterior and Lateral Cervical Region	M. İlkey KOŞAR
15.30 - 16.20	Histology-Embryology	Fetal Circulation	Feral ÖZTÜRK
16.30 - 17.20	Histology-Embryology	Development of Cardiovascular System	Feral ÖZTÜRK

11 NOVEMBER 2020 WEDNESDAY			
08.30 - 09.20	Biophysics	The efficiency and Strength of the Heart	Parivash AMIINI
09.30 - 10.20	Biophysics	Lung Volume and Capacity and Functional Residual Capacity measurement	Parivash AMIINI
10.30- 11.20	M. Microbiology	Antigen Processing and Presentation to T Lymphocytes	Burak Ekrem ÇİTİL
11.30- 12.20	M. Microbiology	Antigen Processing and Presentation to T Lymphocytes	Burak Ekrem ÇİTİL
13.30 - 14.20	LAB Anatomy	Veins of Face and Neck, Veins of Thorax	All Instructors of the Department
14.30 - 15.20	LAB Anatomy	Deep Structures of Neck Anterior and Lateral Cervical Region	All Instructors of the Department
15.30 - 16.20	LAB Histology	Circulatory System; microscopic introduction and laboratory	Feral ÖZTÜRK
16.30 - 17.20			

12 NOVEMBER 2020 THURSDAY			
08.30 - 09.20	Study Hour		
09.30 - 10.20	Histology-Embryology	Respiratory System	Seda VATANSEVER
10.30- 11.20	Histology-Embryology	Respiratory System	Seda VATANSEVER
11.30- 12.20	Histology-Embryology	Development of Respiratory System	Seda VATANSEVER
13.30 - 14.20	Histology-Embryology	Development of Head and Neck	Seda VATANSEVER
14.30 - 15.20	Histology-Embryology	Development of Head and Neck	Seda VATANSEVER
15.30 - 16.20			
16.30 - 17.20			

13 NOVEMBER 2020 FRIDAY			
08.30 - 09.20	Histology-Embryology	Lymphoid System; Development of Lymphoid Organs	Seda VATANSEVER
09.30 - 10.20	Histology-Embryology	Lymphoid System; Development of Lymphoid Organs	Seda VATANSEVER
10.30- 11.20	Histology-Embryology	Lymphoid System; Development of Lymphoid Organs	Seda VATANSEVER
11.30- 12.20	Histology-Embryology	Lymphoid System; Development of Lymphoid Organs	Seda VATANSEVER
13.30 - 14.20	Foreign Language		
14.30 - 15.20	Foreign Language		
15.30 - 16.20	Study Hour		
16.20 - 17.20	Study Hour		

FOURTH WEEK

16 NOVEMBER 2020 MONDAY			
08.30 - 09.20			
09.30 - 10.20			
10.30- 11.20	Physiology	Heart Sound and Valvular Heart Disease	Egemen KAYA
11.30- 12.20	Physiology	Cardiac Output, Venous Return and their Regulation	Egemen KAYA
ADVISOR HOUR			
13.30 - 14.20	Anatomy	Deep Structures of Neck	M. İlkey KOŞAR
14.30 - 15.20	Anatomy	Deep Structures of Neck	M. İlkey KOŞAR
15.30 - 16.20			
16.30 - 17.20			

17 NOVEMBER 2020 TUESDAY			
08.30 - 09.20	Study Hour		
09.30 - 10.20	Study Hour		
10.30- 11.20	Physiology	Pressure Flow and resistance in circulatory system	Parivash AMIINI
11.30- 12.20	Physiology	Short term long term control of arterial blood pressure	Parivash AMIINI
ADVISOR HOUR			
13.30 - 14.20	Anatomy	Nose and Structure of Nose	Z.Nisa KARAKOYUN
14.30 - 15.20	Anatomy	Nose and Structure of Nose	Z.Nisa KARAKOYUN
15.30 - 16.20	Study Hour		
16.30 - 17.20	Study Hour		

18 NOVEMBER 2020 WEDNESDAY			
08.30 - 09.20			
09.30 - 10.20			
10.30- 11.20	M. Microbiology	Cell-mediated Immunity	Burak Ekrem ÇİTİL
11.30- 12.20	M. Microbiology	Cell-mediated Immunity	Burak Ekrem ÇİTİL
13.30 - 14.20	LAB Anatomy	Nose and Structure of Nose	All Instructors of the Department
14.30 - 15.20	LAB Anatomy	Nose and Structure of Nose	All Instructors of the Department
15.30 - 16.20	M. Biochemistry	Biochemistry of Coagulation proteins	İ. Çetin ÖZTÜRK
16.30 - 17.20	M. Biochemistry	Biochemistry of Coagulation proteins	İ. Çetin ÖZTÜRK

19 NOVEMBER 2020 THURSDAY			
08.30 - 09.20	Study Hour		
09.30 - 10.20	Anatomy	Larynx	Zeynep Nisa KARAKOYUN
10.30- 11.20	Anatomy	Larynx	Zeynep Nisa KARAKOYUN
11.30- 12.20	LAB Histology	Respiratory System; microscopic introduction and laboratory	Hülya ELBE
13.30 - 14.20			
14.30 - 15.20			
15.30 - 16.20	Foreign Language		
16.30 - 17.20	Study Hour		

20 NOVEMBER 2020 FRIDAY			
08.30 - 09.20	Physiology	Capillary Dynamics	Parivash AMIINI
09.30 - 10.20	Physiology	Lymphatic System	Parivash AMIINI
10.30- 11.20	M. Microbiology	Antigen Recognition	Burak Ekrem ÇİTİL
11.30- 12.20	M. Microbiology	Antigen Recognition	Burak Ekrem ÇİTİL
13.30 - 14.20			
14.30 - 15.20			
15.30 - 16.20	Foreign Language		
16.30 - 17.20	Foreign Language		

FIFTH WEEK

23 NOVEMBER 2020 MONDAY			
08.30 - 09.20			
09.30 - 10.20			
10.30- 11.20			
11.30- 12.20			
ADVISOR HOUR			
13.30 - 14.20	M. Microbiology	Effector Mechanisms of Cellular Immunity	Burak Ekrem ÇİTİL
14.30 - 15.20	M. Microbiology	Effector Mechanisms of Cellular Immunity	Burak Ekrem ÇİTİL
15.30 - 16.20	LAB Anatomy	Larynx	All Instructors of the Department
16.30 - 17.20	LAB Anatomy	Larynx	All Instructors of the Department

24 NOVEMBER 2020 TUESDAY			
08.30 - 09.20			
09.30 - 10.20			
10.30- 11.20	M. Microbiology	Humoral Immunity	Burak Ekrem ÇİTİL
11.30- 12.20	M. Microbiology	Humoral Immunity	Burak Ekrem ÇİTİL
ADVISOR HOUR			
13.30 - 14.20	Physiology	Morphology of Respiratory System	Egemen KAYA
14.30 - 15.20	Physiology	Elastic Properties of the Lung	Egemen KAYA
15.30 - 16.20	Foreign Language		
16.30 - 17.20	Study Hour		

25 NOVEMBER 2020 WEDNESDAY			
08.30 - 09.20			
09.30 - 10.20			
10.30- 11.20	M. Microbiology	Effector Mechanisms of Humoral Immunity	Burak Ekrem ÇİTİL
11.30- 12.20	M. Microbiology	Effector Mechanisms of Humoral Immunity	Burak Ekrem ÇİTİL
13.30 - 14.20	Anatomy	Trachea and Lungs	Hasan TETİKER
14.30 - 15.20	Anatomy	Trachea and Lungs	Hasan TETİKER
15.30 - 16.20	M. Biochemistry	Heme Biosynthesis & Porphyrins	İ. Çetin ÖZTÜRK
16.30 - 17.20	M. Biochemistry	Heme Biosynthesis & Porphyrins	İ. Çetin ÖZTÜRK

26 NOVEMBER 2020 THURSDAY			
08.30 - 09.20	Study Hour		
09.30 - 10.20	Physiology	Respiratory function tests	Egemen KAYA
10.30- 11.20	Physiology	Regulation of Respiration	Egemen KAYA
11.30- 12.20	LAB Microbiology	Immunology Discussion	Burak Ekrem ÇİTİL
13.30 - 14.20	Biophysics	Respiratory System and Blood Gases	Parivash AMIINI
14.30 - 15.20	Biophysics	Surface Tension, Surfactant and Alveoli Mechanism	Parivash AMIINI
15.30 - 16.20	LAB Anatomy	Trachea and Lungs	All Instructors of the Department
16.30 - 17.20	LAB Anatomy	Trachea and Lungs	All Instructors of the Department

27 NOVEMBER 2020 FRIDAY			
08.30 - 09.20	Study Hour		
09.30 - 10.20	Foreign Language		
10.30- 11.20	Anatomy	Anatomy of Thoracic Wall	Hasan TETİKER
11.30- 12.20	Anatomy	Anatomy of Thoracic Wall	Hasan TETİKER
13.30 - 14.20	Foreign Language		
14.30 - 15.20			
15.30 - 16.20			
16.30 - 17.20	Foreign Language		

SIXTH WEEK

30 NOVEMBER 2020 MONDAY			
08.30 - 09.20	Study Hour		
09.30 - 10.20	Study Hour		
10.30- 11.20	M. Microbiology	Regulation of the Adaptive Immune Response	Burak Ekrem ÇİTİL
11.30- 12.20	M. Microbiology	Regulation of the Adaptive Immune Response	Burak Ekrem ÇİTİL
ADVISOR HOUR			
13.30 - 14.20			
14.30 - 15.20			
15.30 - 16.20	Study Hour		
16.30 - 17.20		ADVISOR HOUR	

01 DECEMBER 2020 TUESDAY			
08.30 - 09.20	Physiology	Pulmonary Ventilation	Egemen KAYA
09.30 - 10.20	Physiology	Pulmonary Circulation, Pulmonary Edema and Pleural Fluid	Egemen KAYA
10.30- 11.20	M. Microbiology	Termination of the Immune Response	Burak Ekrem ÇİTİL
11.30- 12.20	M. Microbiology	Termination of the Immune Response	Burak Ekrem ÇİTİL
ADVISOR HOUR			
13.30 - 14.20	LAB M. Microbiology	Staining Methods of Bacteria	All Instructors of the Department
14.30 - 15.20	Anatomy	Lymphoid System and vessels	Deniz YÖRÜK
15.30 - 16.20	Anatomy	Lymphoid System and vessels	Deniz YÖRÜK
16.30 - 17.20	Study Hour		

02 DECEMBER 2020 WEDNESDAY			
08.30 - 09.20	Foreign Language		
09.30 - 10.20	Foreign Language		
10.30- 11.20	LAB Histology	Lymphoid System; microscopic introduction and laboratory	Hülya ELBE
11.30- 12.20			
13.30 - 14.20	LAB Anatomy	Lymphoid System, Anatomy of Thoracic Wall	All Instructors of the Department
14.30 - 15.20	LAB Anatomy	Lymphoid System, Anatomy of Thoracic Wall	All Instructors of the Department
15.30 - 16.20	M. Biochemistry	Iron Metabolism	İ. Çetin ÖZTÜRK
16.30 - 17.20	M. Biochemistry	Iron Metabolism	İ. Çetin ÖZTÜRK

03 DECEMBER 2020 THURSDAY			
08.30 - 09.20			
09.30 - 10.20			
10.30- 11.20	M. Microbiology	Serological Diagnostic Methods Used In Microbiology	Burak Ekrem ÇİTİL
11.30- 12.20	M. Microbiology	Serological Diagnostic Methods Used In Microbiology	Burak Ekrem ÇİTİL
13.30 - 14.20	Anatomy	Diaphragma	Deniz YÖRÜK
14.30 - 15.20	Anatomy	Mediastinum	Deniz YÖRÜK
15.30 - 16.20	Physiology	Alveolar Ventilation and Perfusion	Egemen KAYA
16.30 - 17.20	Physiology	Ventilation Perfusion Ratio	Egemen KAYA

04 DECEMBER 2020 FRIDAY			
08.30 - 09.20			
09.30 - 10.20	LAB Microbiology	Immunology Discussion	Burak Ekrem ÇİTİL
10.30- 11.20	M. Biochemistry	Biochemistry of Respiratory System	Ercan SARUHANLI
11.30- 12.20	M. Biochemistry	Biochemistry of Respiratory System	Ercan SARUHANLI
13.30 - 14.20	LAB Anatomy	Diaphragma, Mediastinum	All Instructors of the Department
14.30 - 15.20	LAB Anatomy	Diaphragma, Mediastinum	All Instructors of the Department
15.30 - 16.20	Foreign Language		
16.30 - 17.20	Foreign Language		

SEVENTH WEEK

07 DECEMBER 2020 MONDAY			
08.30 - 09.20	Study Hour		
09.30 - 10.20	Study Hour		
10.30- 11.20			
11.30- 12.20			
ADVISOR HOUR			
13.30 - 14.20			
14.30 - 15.20			
15.30 - 16.20			
16.30 - 17.20			

08 DECEMBER 2020 TUESDAY			
08.30 - 09.20			
09.30 - 10.20			
10.30- 11.20	Study Hour		
11.30- 12.20	Study Hour		
ADVISOR HOUR			
13.30 - 14.20	Study Hour		
14.30 - 15.20	Study Hour		
15.30 - 16.20	Study Hour		
16.30 - 17.20	Study Hour		

09 DECEMBER 2020 WEDNESDAY			
08.30 - 09.20	HISTOLOGY LABORATORY EXAM		
09.30 - 10.20			
10.30- 11.20			
11.30- 12.20			
13.30 - 14.20	ANATOMY LABORATORY EXAM		
14.30 - 15.20			
15.30 - 16.20			
16.30 - 17.20			

10 DECEMBER 2020 THURSDAY			
08.30 - 09.20	M. MICROBIOLOGY LABORATORY EXAM		
09.30 - 10.20			
10.30- 11.20			
11.30- 12.20			
13.30 - 14.20	Study Hour		
14.30 - 15.20	Study Hour		
15.30 - 16.20	Study Hour		
16.30 - 17.20	Study Hour		

11 DECEMBER 2020 FRIDAY			
08.30 - 09.20	10:30 COMMITTEE EXAM		
09.30 - 10.20			
10.30- 11.20			
11.30- 12.20			
13.30 - 14.20			