

COMMITTEE III (MDCN 203)

“CARDIOVASCULAR & RESPIRATORY SYSTEM”

14 DECEMBER 2021 – 21 JANUARY 2022

CODE	LECTURES	TOTAL HOURS			
		Theoretical	Laboratory	Active Education	Total
Course Lessons					
MDCN 222	Histology and Embryology	13	4	-	17
MDCN 230	Anatomy	19	11	-	30
MDCN 224	Physiology	37	8	-	45
MDCN 214	Medical Biochemistry	8	-	-	8
MDCN 218	Biophysics	6	-	-	6
Total		83	23	-	106
Vertical Courses					
MDCN 255	Integrated Case Study	-	-	6	6
Corridor Courses					
MDCN 249	Early Observations of Clinics	20	-	-	20
MDCN 207	Study Modules	5	-	6	11
	Student Modules	-	-	-	-
	Symposium	-	-	-	-
Total		25	-	12	37
Non-Medicine Courses					
TURK 211	Turkish	24	-	-	24
Course Total		132	23	12	167

****Mandatory attendance: The student has to attend at least 70% of the theoretical lessons and 80% of the laboratory and active learning hours.**



2021-2022 Academic Year PHASE II - Committee III (MDCN 203) Cardiovascular & Respiratory Systems

Tuesday, December 14th, 2021	09:00-09:50 10:00-10:50 11:00-11:50 12:00-12:50 13:00-14:00 14:30-15:20 15:30-16:20 16:30-17:20	Free time The Heart and the Pericardium The Heart and the Pericardium The Thoracic Wall Lunch Break Turkish language Turkish language Turkish language	Anatomy Anatomy Anatomy Turkish Turkish Turkish	Thereotical Thereotical Thereotical 	Sevda Lafcı Fahrioğlu Sevda Lafcı Fahrioğlu Sevda Lafcı Fahrioğlu
Wednesday, December 15th 2021	09:00-09:50 09:00-09:50 10:00-10:50 12:00-12:50 13:00-14:00 14:00-14:50 15:00-15:50 16:00-16:50	Free time Physiological Properties of Heart Muscle Heart Valves and Heart Sounds Heart Cycle and Pumping Function of Heart (Pressure-Volume Alterations in Heart) Blockage in Heart Lunch Break Pulmonary immune cells Pulmonary immune cells	Physiology Physiology Physiology Physiology Immunology Immunology	Thereotical Thereotical Thereotical Thereotical Thereotical Thereotical	Ali Alkaleel Ali Alkaleel Barlas Aytaçoğlu Barlas Aytaçoğlu Bora Ağıt Bora Ağıt
Thursday, December 16th, 2021	09:00-09:50 10:00-10:50 11:00-11:50 12:00-12:50 13:00-14:00 14:00-14:50 15:00-15:50 16:00-16:50 17:30-19:30	Histology of the heart and blood vessels Histology of the heart and blood vessels Histology of the heart and blood vessels Lunch Time Conduction System of Heart and The Regulation Of Conduction Blockage in Heart Lab: The Thoracic Wall Lab: The Thoracic Wall ITEC120	Histology and Embryology Histology and Embryology Histology and Embryology Physiology Physiology Anatomy Anatomy	Thereotical Thereotical Thereotical Thereotical Thereotical Practical Practical	Münevver Serdaroğulları Münevver Serdaroğulları Münevver Serdaroğulları Ali Alkaleel Barlas Aytaçoğlu Sevda Lafcı Fahrioğlu Sevda Lafcı Fahrioğlu ONLINE
Friday, December 17th, 2021	09:00-09:50	Development and congenital anomalies of circulatory system	Histology and Embryology	Thereotical	Münevver Serdaroğulları

	10:00-10:50	Development and congenital anomalies of circulatory system	Histology and Embryology	Thereotical	Münevver Serdaroğulları
	11:00-11:50	Development and congenital anomalies of circulatory system	Histology and Embryology	Thereotical	Münevver Serdaroğulları
	12:00-12:50	Lunch Break			
	13:00-14:00	Physiology of Adrenal Medulla Hormones	Physiology	Thereotical	Ali Alkaleel
	14:00-14:50	Adrenal Cortex Hormones	Medical Biochemistry	Thereotical	Bora Ağıt
	15:00-15:50	Adrenal Cortex Hormones	Medical Biochemistry	Thereotical	Bora Ağıt
	16:00-16:50	Adrenal Cortex Hormones	Medical Biochemistry	Thereotical	Bora Ağıt
Monday, December 20th, 2021	09:00-09:50	Alveolar-endothelial barrier	Immunology	Thereotical	Bora Ağıt
	10:00-10:50	Alveolar-endothelial barrier	Immunology	Thereotical	Bora Ağıt
	11:00-11:50	The Great Vessels and the Posterior Mediastinum	Anatomy	Thereotical	Sevda Lafcı Fahrioğlu
	12:00-12:50	The Great Vessels and the Posterior Mediastinum	Anatomy	Thereotical	Sevda Lafcı Fahrioğlu
	13:00-14:00	Lunch Break			
	14:30-14:50	Turkish language	Turkish	Thereotical	
	15:00-16:20	Turkish language	Turkish	Thereotical	
	16:30-18:30	ENG145		Thereotical	ONLINE
Tuesday, December 21th, 2021	09:00-09:50	Adrenal Medulla Hormones	Medical Biochemistry	Thereotical	Bora Ağıt
	10:00-10:50	Adrenal Medulla Hormones	Medical Biochemistry	Thereotical	Bora Ağıt
	11:00-11:50	Adrenal Medulla Hormones	Medical Biochemistry	Thereotical	Bora Ağıt
	12:00-12:50	Circulation Dynamics	Biophysics	Thereotical	Nahit Rizaner
	13:00-14:00	Lunch Break			
	14:30-15:20	Turkish language	Turkish	Thereotical	
	15:30-16:20	Turkish language	Turkish	Thereotical	
	16:30-17:20	Turkish language	Turkish	Thereotical	
Wednesday, December 22nd, 2021	08:30-09:20	LAB: Histology of the heart and blood vessels	Histology and Embryology	Practical	Münevver Serdaroğulları
	09:30-10:20	LAB: Histology of the heart and blood vessels	Histology and Embryology	Practical	Münevver Serdaroğulları
	11:00-11:50	Circulation Dynamics	Biophysics	Thereotical	Nahit Rizaner
	12:00-12:50	Circulation Dynamics	Biophysics	Thereotical	Nahit Rizaner
	13:00-14:00	Lunch Break			
	14:00-14:50	Principles of ECG (derivation, recording method, vectorial analysis)	Physiology	Thereotical	Barlas Aytacıoğlu

	15:00-15:50	Principles of ECG (derivation, recording method, vectorial analysis)	Physiology	Thereotical	Barlas Aytaçoğlu
	16:00-16:50	Analysis of ECG (alterations in waves, arrythmia, blockage)	Physiology	Thereotical	Barlas Aytaçoğlu
	17:00-17:50	Free time			
Thursday, December 23th, 2021	09:00-09:50	Cardiovascular System Related Hormones	Medical Biochemistry	Thereotical	Bora Ağıt
	10:00-10:50	Renal Hormones	Medical Biochemistry	Thereotical	Bora Ağıt
	11:00-11:50	Fetal Circulation	Anatomy	Thereotical	Sevda Lafcı Fahrioğlu
	12:00-12:50	Lunch Break			
	13:00-14:00	Pulmonary Ventilation	Physiology	Thereotical	Ali Alkaleel
	14:00-14:50	Pulmonary Ventilation	Physiology	Thereotical	Ali Alkaleel
	15:00-15:50	Pulmonary Circulation and Pulmonary Edema	Physiology	Thereotical	Ali Alkaleel
	16:00-16:50	Free time			
	17:30-19:30	ITEC120		Thereotical	ONLINE
Friday December 24th, 2021	09:00-09:50	Lab: The Heart and the Pericardium	Anatomy	Practical	Sevda Lafcı Fahrioğlu
	10:00-10:50	Lab: The Heart and the Pericardium	Anatomy	Practical	Sevda Lafcı Fahrioğlu
	11:00-11:50	Study Module	SM	SM	
	12:00-12:50	Study Module	SM	SM	
	13:00-14:00	Free time			
	14:00-14:50	Free time			
	15:00-15:50	Free time			
	16:00-16:50	Free time			
Monday, December 27th, 2021	09:00-09:50	CASE STUDY: Cardiovascular System & Stroke	CASE	Thereotical	Sevda Diker
	10:00-10:50	CASE STUDY: Cardiovascular System & Stroke	CASE	Thereotical	Sevda Diker
	11:00-11:50	Study Module	SM	SM	SM
	12:00-12:50	Study Module	SM	SM	SM
	13:00-14:00	Lunch Break			
	14:30-15:20	Turkish language	Turkish	Thereotical	
	15:30-16:20	Turkish language	Turkish	Thereotical	
	16:30-18:50	ENG145		Thereotical	ONLINE
Tuesday, December 28th, 2021	09:00-09:50	Development of branchial apparatus, head and face	Histology and Embryology	Thereotical	Münevver Serdaroğulları

	10:00-10:50	Development of branchial apparatus, head and face	Histology and Embryology	Thereotical	Münevver Serdaroğulları
	11:00-11:50	Anatomy of the Nose	Anatomy	Thereotical	Sevda Lafcı Fahrioğlu
	12:00-12:50	Anatomy of the Nose	Anatomy	Thereotical	Sevda Lafcı Fahrioğlu
	13:00-14:00	Lunch Break			
	14:30-15:20	Turkish language	Turkish	Thereotical	
	15:30-16:20	Turkish language	Turkish	Thereotical	
	16:30-17:20	Turkish language	Turkish	Thereotical	
Wednesday, December 29th, 2021	09:00-09:50	Larynx	Anatomy	Thereotical	Sevda Lafcı Fahrioğlu
	10:00-10:50	Larynx	Anatomy	Thereotical	Sevda Lafcı Fahrioğlu
	11:00-11:50	Analysis of ECG (alterations in waves, arrythmia, blockage)	Physiology	Thereotical	Barlas Aytaçoğlu
	12:00-12:50	Principles of Hemodynamics	Physiology	Thereotical	Barlas Aytaçoğlu
	13:00-14:00	Lunh Break			
	14:00-14:50	Principles of Gas Exchange Across Pulmonary Membrane (ACTIVE)	Physiology	Thereotical	Ali Alkaleel
	15:00-15:50	Transport of Gases Across Blood and Interstitial Fluid	Physiology	Thereotical	Ali Alkaleel
	16:00-16:50	Free time			
	17:00-17:50	Free time			
Thursday, December 30th, 2021	09:00-09:50	Principles of Hemodynamics	Physiology	Thereotical	Barlas Aytaçoğlu
	10:00-10:50	Principles of Hemodynamics	Physiology	Thereotical	Barlas Aytaçoğlu
	11:00-11:50	Diaphragm (ACTIVE)	Anatomy	Thereotical	Sevda Lafcı Fahrioğlu
	12:00-12:50	Lunch Break			
	13:00-14:00	Lab: Nose and Larynx	Anatomy	Practical	Sevda Lafcı Fahrioğlu
	14:00-14:50	Lab: Nose and Larynx	Anatomy	Practical	Sevda Lafcı Fahrioğlu
	15:00-15:50	Study Module	SM	SM	
	16:00-16:50	Study Module	SM	SM	
	17:30-19:30	ITEC120	Thereotical	Thereotical	
Friday, December 31st, 2021	09:00-09:50	Trachea and Lungs	Anatomy	Thereotical	Sevda Lafcı Fahrioğlu
	10:00-10:50	Trachea and Lungs	Anatomy	Thereotical	Sevda Lafcı Fahrioğlu
	11:00-11:50	Regulation of Respiration	Physiology	Thereotical	Ali Alkaleel
	12:00-12:50	Regulation of Respiration	Physiology	Thereotical	Ali Alkaleel

	13:00-14:00 14:30-15:20 15:30-16:20 16:30-17:20	FREE TIME FREE TIME FREE TIME FREE TIME			
Monday, January 3th, 2022	09:00-09:50 10:00-10:50 11:00-11:50 12:00-12:50 16:00-16:50 14:30-15:20 15:30-16:20 16:30-18:50	CARDIOVASCULARY SYSTEM EXAMINATION / SKILL TRAINING CARDIOVASCULARY SYSTEM EXAMINATION / SKILL TRAINING CARDIOVASCULARY SYSTEM EXAMINATION / SKILL TRAINING CARDIOVASCULARY SYSTEM EXAMINATION / SKILL TRAINING Lunch Time Turkish language Turkish language ENG145	EOC EOC EOC EOC Turkish Turkish	EOC EOC EOC EOC Thereotical Thereotical	Barlas Aytaçoğlu Barlas Aytaçoğlu Barlas Aytaçoğlu Barlas Aytaçoğlu ONLINE
Tuesday, January 4th, 2022	09:00-09:50 10:00-10:50 11:00-11:50 12:00-12:50 13:00-14:00 14:30-15:20 15:30-16:20 16:30-17:20	Histology of the lungs Pulmonary inflammation Inferior Temporal Fossa and Pterygopalatina Fossa Inferior Temporal Fossa and Pterygopalatina Fossa Lunch break Turkish language Turkish language Turkish language	Histology and Embryology Immunology Anatomy Anatomy Turkish Turkish Turkish	Thereotical Thereotical Thereotical Thereotical Thereotical Thereotical Thereotical	Martha Orendu Oche Attah Bora Ağıt Sevda Lafcı Fahrioğlu Sevda Lafcı Fahrioğlu
Wednesday, January 5th, 2022	08:30-09:20 09:30-10:20 11:00-11:50 12:00-12:50 13:00-14:00 14:00-14:50 15:00-15:50 16:00-16:50	Development of the respiratory system Development of the respiratory system Pulmonary inflammation Pulmonary inflammation Lunch Break Study Module Study Module Free time	Histology and Embryology Histology and Embryology Immunology Immunology	Practical Practical Thereotical Thereotical	Martha Orendu Oche Attah Martha Orendu Oche Attah Bora Ağıt Bora Ağıt
Thursday, January 6th, 2022	09:00-09:50	Lab: Circulation Physiology (EC)	Physiology	Practical	Ali Alkaleel

	10:00-10:50	Lab: Circulation Physiology (EC)	Physiology	Practical	Ali Alkaleel
	11:00-11:50	Lab: Circulation Physiology (Heart Sounds, Pulse, Arterial Pressure)	Physiology	Practical	Ali Alkaleel
	12:00-12:50	Lab: Circulation Physiology (Heart Sounds, Pulse, Arterial Pressure)	Physiology	Practical	Ali Alkaleel
	13:00-14:00	Lunch Break			
	14:00-14:50	Lab: Trachea, Lungs and Diaphragm	Anatomy		Sevda Lafcı Fahrioğlu
	15:00-15:50	The Regulation of Arterial Pressure	Physiology	Theoretical	Barlas Aytaçoğlu
	16:00-16:50	The Regulation of Arterial Pressure	Physiology	Theoretical	Barlas Aytaçoğlu
	17:30-19:30	Free time			
Friday, January 7th, 2022	09:00-09:50	CASE STUDY: Arrhythmia & Neurology	CASE	Theoretical	Sevda Diker
	10:00-10:50	CASE STUDY: Arrhythmia & Neurology	CASE	Theoretical	Sevda Diker
	11:00-11:50	Lab: Inferior Temporal Fossa and Pterygopalatina Fossa	Anatomy	Practical	Sevda Lafcı Fahrioğlu
	12:00-12:50	Lab: Inferior Temporal Fossa and Pterygopalatina Fossa	Anatomy	Practical	Sevda Lafcı Fahrioğlu
	13:00-14:00	Lunch Time			
	14:00-14:50	Coronary Circulation	Physiology	Theoretical	Barlas Aytaçoğlu
	15:00-15:50	Coronary Circulation	Physiology	Theoretical	Barlas Aytaçoğlu
	16:00-16:50	Free time			
Monday, January 10th, 2022	09:00-09:50	Respiration Dynamics	Biophysics	Theoretical	Nahit Rizaner
	10:00-10:50	Respiration Dynamics	Biophysics	Theoretical	Nahit Rizaner
	11:00-11:50	Respiration Dynamics	Biophysics	Theoretical	Nahit Rizaner
	12:00-12:50	Respiratory Alterations in Exercise	Physiology	Theoretical	Ali Alkaleel
	13:00-14:00	Cardiovascular Changes During Exercise	Physiology	Theoretical	Ali Alkaleel
	14:00-14:30	Lunch Break			
	14:30-15:20	Free time			
	15:30-16:20	Free time			
	16:30-18:50	Free time			
Tuesday, January 11th, 2022	09:00-09:50	BREAST-AXILLARY REGION EXAMINATION / SKILL TRAINING	EOC	EOC	Barlas Aytaçoğlu
	10:00-10:50	BREAST-AXILLARY REGION EXAMINATION / SKILL TRAINING	EOC	EOC	Barlas Aytaçoğlu

	11:00-11:50	BREAST-AXILLARY REGION EXAMINATION / SKILL TRAINING	EOC	EOC	Barlas Aytaçoğlu
	12:00-12:50	BREAST-AXILLARY REGION EXAMINATION / SKILL TRAINING	EOC	EOC	Barlas Aytaçoğlu
	13:00-14:00	Lunch Time			
	14:30-15:20	Free time			
	15:30-16:20	Free time			
	16:30-17:20	Free time			
Wednesday, January 12th, 2022	09:00-09:50	RESPIRATORY SYSTEM EXAMINATION / SKILL TRAINING	EOC	EOC	Barlas Aytaçoğlu
	10:00-10:50	RESPIRATORY SYSTEM EXAMINATION / SKILL TRAINING	EOC	EOC	Barlas Aytaçoğlu
	11:00-11:50	RESPIRATORY SYSTEM EXAMINATION / SKILL TRAINING	EOC	EOC	Barlas Aytaçoğlu
	12:00-12:50	RESPIRATORY SYSTEM EXAMINATION / SKILL TRAINING	EOC	EOC	Barlas Aytaçoğlu
	13:00-14:00	Lunch Break			
	14:00-14:50	Respiratory Physiology in Different Atmospheric Pressures	Physiology	Thereotical	Ali Alkaleel
	15:00-15:50	Respiratory Physiology in Different Atmospheric Pressures	Physiology	Thereotical	Ali Alkaleel
	16:00-16:50	Free time			
Thursday, January 13th, 2022	09:00-09:50	The Root of the Neck	Anatomy	Thereotical	Sevda Lafcı Fahrioğlu
	10:00-10:50	The Root of the Neck	Anatomy	Thereotical	Sevda Lafcı Fahrioğlu
	11:00-11:50	Anterior and Lateral Regions of the Neck	Anatomy	Thereotical	Sevda Lafcı Fahrioğlu
	12:00-12:50	Anterior and Lateral Regions of the Neck	Anatomy	Thereotical	Sevda Lafcı Fahrioğlu
	13:00-14:00	Lunch Break			
	14:00-14:50	Lab: Respiratory Physiology (Respiratory Function test)	Physiology	Practical	Ali Alkaleel
	15:00-15:50	Lab: Respiratory Physiology (Respiratory Function test)	Physiology	Practical	Ali Alkaleel
	16:00-16:50	Lab: Respiratory Physiology (Respiratory Function test)	Physiology	Practical	Ali Alkaleel
Friday, January 14th, 2022	09:00-09:50	Histology of the respiratory system	Histology and Embryology	Thereotical	Martha Orendu Oche Attah
	10:00-10:50	Histology of the respiratory system	Histology and Embryology	Thereotical	Martha Orendu Oche Attah
	11:00-11:50	Histology of the respiratory tract (ACTIVE)	Histology and Embryology	Thereotical	Martha Orendu Oche Attah
	12:00-12:50	Histology of the respiratory tract (ACTIVE)	Histology and Embryology	Thereotical	Martha Orendu Oche Attah

	13:00-14:00	MEDICAL HUMANITIES MOVIE 1	EOC	EOC	Barlas Aytaçoğlu
	14:00-14:50	MEDICAL HUMANITIES MOVIE 2	EOC	EOC	Barlas Aytaçoğlu
	15:00-15:50	MEDICAL HUMANITIES MOVIE 3	EOC	EOC	Barlas Aytaçoğlu
	16:00-16:50	MEDICAL HUMANITIES MOVIE 4	EOC	EOC	Barlas Aytaçoğlu
Monday, January 17th, 2022	09:00-09:50	Lab: The Root of the Neck ,The Suboccipital Region and Deep Muscles of the Back	Anatomy	Practical	Sevda Lafcı Fahrioğlu
	10:00-10:50	Lab: The Root of the Neck ,The Suboccipital Region and Deep Muscles of the Back	Anatomy	Practical	Sevda Lafcı Fahrioğlu
	11:00-11:50	Congestive Heart Failure	Physiology	Thereotical	Barlas Aytaçoğlu
	12:00-12:50	Congestive Heart Failure	Physiology	Thereotical	Barlas Aytaçoğlu
	13:00-14:00	Lunch Time			
	14:30-15:20	Free time	Turkish	Thereotical	
	15:30-16:20	Free time	Turkish	Thereotical	
	16:30-18:50	Free time			
Tuesday, January 18th, 2022	09:00-09:50	Free time			
	10:00-10:50	Cardiac Output and Venous Return	Physiology	Thereotical	Barlas Aytaçoğlu
	11:00-11:50	Shock	Physiology	Thereotical	Barlas Aytaçoğlu
	12:00-12:50	Shock	Physiology	Thereotical	Barlas Aytaçoğlu
	13:00-14:00	Lunch break			
	14:30-15:20	Free time	Turkish	Thereotical	
	15:30-16:20	Free time			
	16:30-17:20	Free time			
Wednesday, January 19th, 2022	09:00-09:50	Study Module	SM	SM	
	10:00-10:50	Study Module	SM	SM	
	11:00-11:50	Free time			
	12:00-12:50	Free time			
	13:00-14:00	Free time			
	14:00-14:50	Free time			
	15:00-15:50	Free time			
	16:00-16:50	Free time			
Thursday, January 20th, 2022	09:00-09:50	Free time			
	10:00-10:50	Free time			

	11:00-11:50	Free time			
	12:00-12:50	Free time			
	13:00-14:00	Free time			
	14:00-14:50	Free time			
	15:00-15:50	Free time			
	17:30-19:30	Free time			
Thursday, January 21th, 2021	09:00-09:50	COMMITTEE EXAM / Laboratory	Coordination Office		
	10:00-10:50	PRACTICAL	Coordination Office		
	11:00-11:50	THEORETICAL	Coordination Office		
	12:00-12:50	THEORETICAL			
	13:00-14:00	Lunch Time			
	14:00-14:50				
	15:00-15:50				
	16:00-16:50				
	17:30-19:30	Free time			